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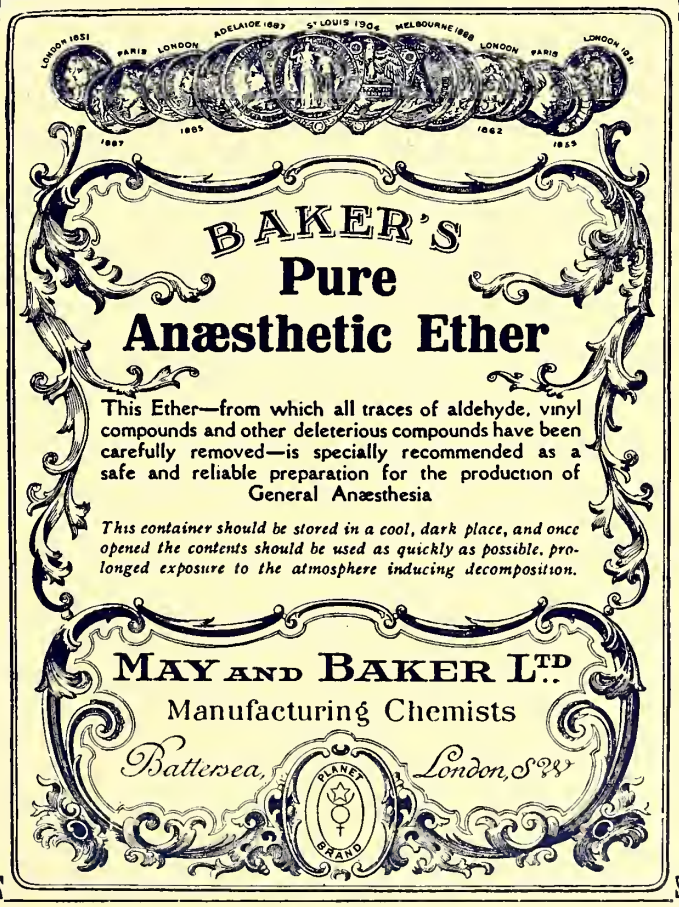

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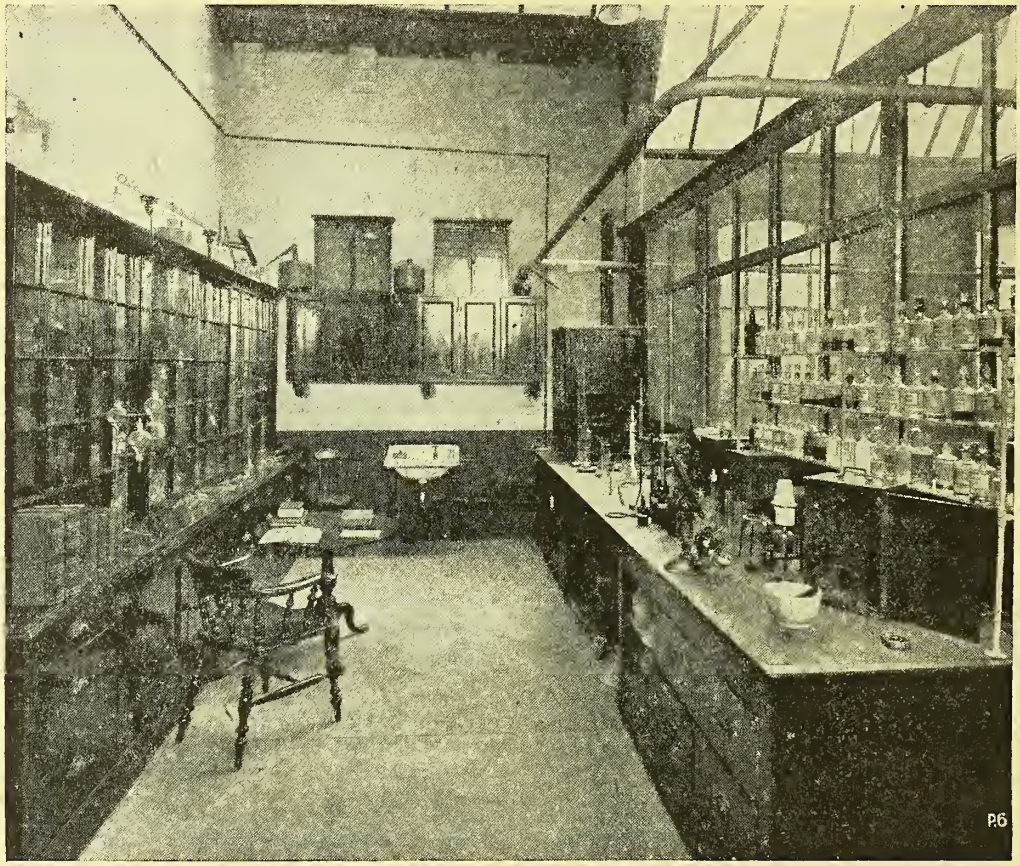

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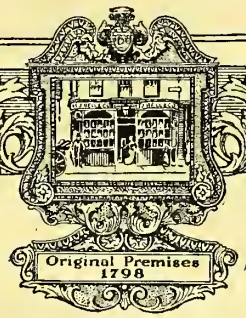

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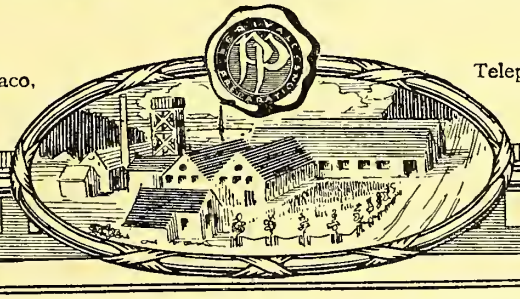

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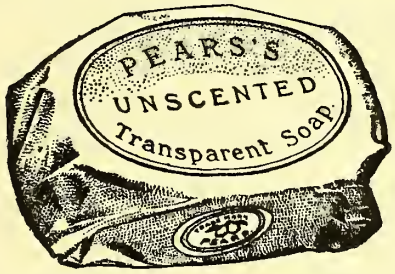

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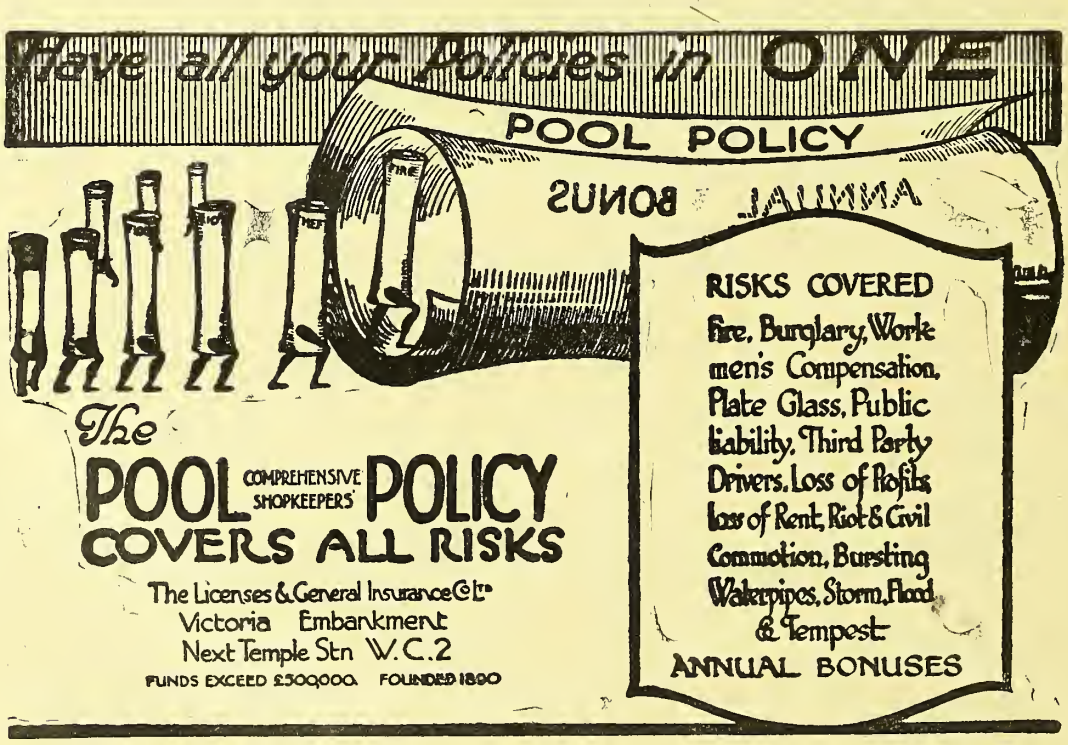

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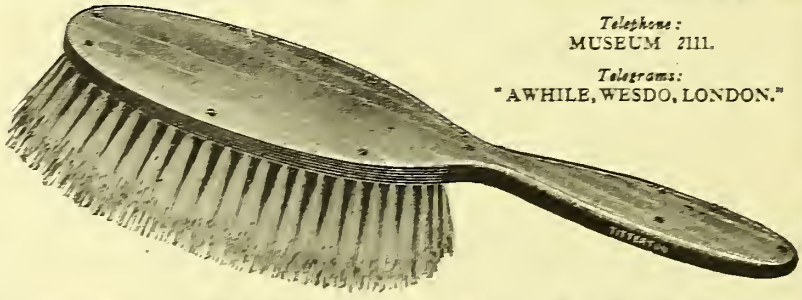
CLOTHES BRUSHES.
SHAVING BRUSHES.

Everything in the way of Brushes.



Telephone: MUSEUM 2111.

Telegrams: "AWHILE, WESDO, LONDON."

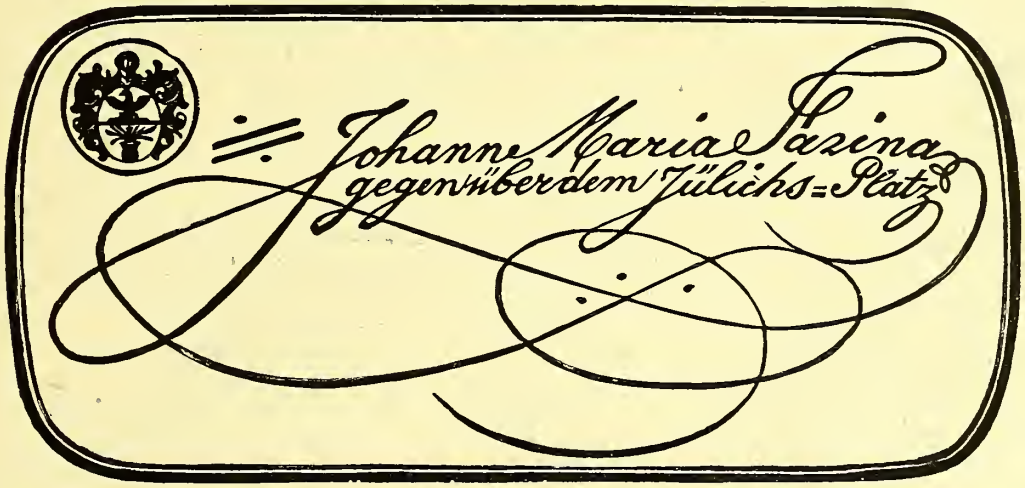
TITTERTON & HOWARD LTD., 8-10 GT. TITCHFIELD STREET, LONDON, W. 1.

"THE GENUINE" EAU DE COLOGNE

OF

JOHANN MARIA FARINA,
GEGENÜBER DEM JÜLICHS-PLATZ
COLOGNE

HAS had a world-wide reputation for over 200 years, and has obtained the highest awards at all International Exhibitions—London, 1851 & 1862; Paris, 1855 & 1867; Grand Prize, Paris, 1900.



THIS Eau de Cologne has always been known to the Trade as "The Genuine," and its incomparable quality has never varied in the slightest degree since it was first invented over two centuries ago by the ancestor of the present maker.

PRICES, TERMS AND PROFIT

ARE MORE ADVANTAGEOUS THAN THOSE WHICH CAN BE OBTAINED BY STOCKING ANY OTHER BRAND.

SEND US A POSTCARD, AND PROVE IT!

BLACKALLER & PLEASANCE

8 LAURENCE POUNTNEY HILL :: :: :: LONDON, E.C.4

Duty-paid stock of all sizes for immediate delivery, Carriage Paid.

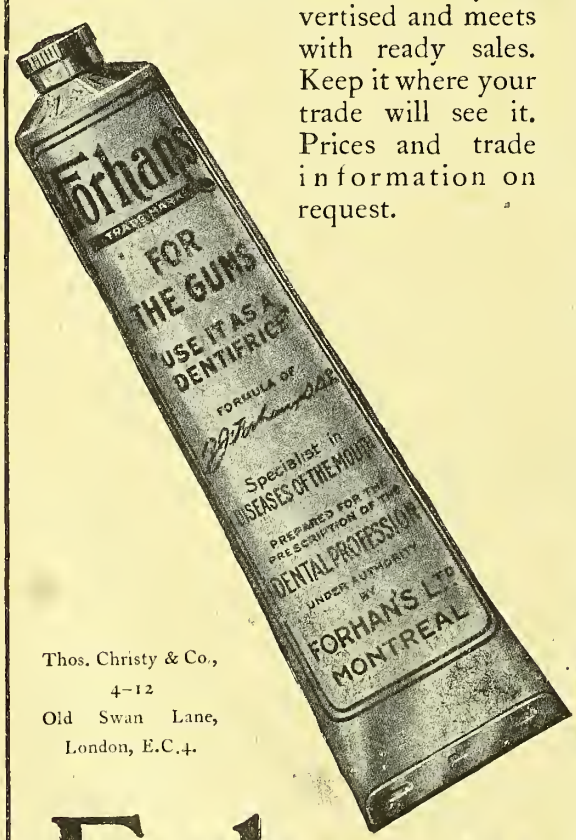
Forhan's stops Pyorrhea in its early stages

Chemists stocking Forhan's For the Gums are in a position to render an incalculable service to customers suffering from pyorrhea.

For Forhan's can be used both as a preventative dentifrice and as a healing agent in active cases of pyorrhea.

Earn the goodwill of your customers by recommending Forhan's in all cases of tender or bleeding gums—the first symptoms of pyorrhea.

Forhan's For the Gums is widely advertised and meets with ready sales. Keep it where your trade will see it. Prices and trade information on request.

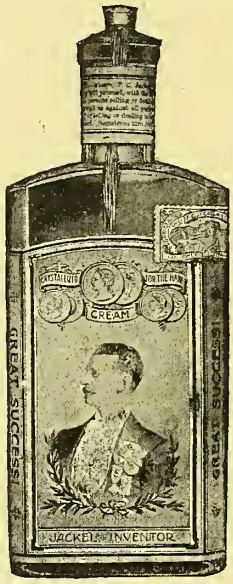


Thos. Christy & Co.,
4–12
Old Swan Lane,
London, E.C.4.

Forhan's
FOR THE GUMS

"Jackel's Cream"

(without Grease)
for THE HAIR
Sold everywhere
Established 1883.



CRYSTALLISED
1/9 CREAM 2/6
Trade Mark attached to each bottle.

"Jackel's Cream" fixes the hair in any desired position; is unexcelled as a dressing and does not soil the headware. It removes Scurf and Dandruff, keeps the scalp healthy, and promotes the natural growth of the hair while maintaining its softness and brilliancy.

Prices for Wholesale and Export Houses on application.

Jackel et Cie (of Paris) Ltd.,
Sauchiehall Street
GLASGOW.

Mr. Geo. R. Sims' "Tatcho" and "Tatcho-tone."
A big vigorous, impressive advertising campaign, covering the whole of the British Isles, is now being pursued. A vastly increased volume of business is inevitable. Generous profit to the trade has been arranged.

TATCHO
THE HAIR GROWER
Price 2/9

Wholesale:
26/-
PER DOZEN.

TATCHO-TONE
FOR GREY HAIR
Price 4/6

Wholesale:
42/-
PER DOZEN.

GEO. R. SIMS' HAIR RESTORER CO.
5 Great Queen St., Kingsway, LONDON, W.C.2.

AYRTON'S WEEKLY PAGE 15

A REAL Hair Grower at last!

SINCE its introduction, the demand for Ayrton's Hair Prescription has steadily increased—due entirely to its merits as a real hair grower—a claim which results entirely prove. It positively eradicates dandruff, allays scalp irritation and stimulates the growth of new hair providing the hair roots have not been destroyed. It has a refreshing, stimulating effect on the scalp, and being neither sticky nor greasy it is *the* ideal preparation for ladies' and gentlemen's use.

Take advantage of these SPECIAL Offers

No. 1. With an order for three dozen, *carriage paid* with other goods, we will send **thirty-six descriptive letters** bearing chemist's name and address, each in plain envelope with a **sample tablet of Ayrton's C.N.O.**, the original Cocoanut Oil Shampoo tablet, enabling the chemist to circularise possible purchasers among his clients.

No. 2. With an order for six dozen, *carriage paid* with other goods, we will send **seventy-two letters** and **sample C.N.O. tablets.** In addition, *on request only*, an **artistic sales-compelling lantern slide.**

No. 3. With an order for twelve dozen, *carriage paid*, we will send **one hundred-and-fifty letters** and **sample C.N.O. tablets,** also **lantern slide,** *on request only.* In addition, **one dozen Ayrton's Hair Prescription free,** providing you agree to make a window display for two weeks—this stipulation to conform with P.A.T.A. regulations.

London Agents:
J. C. GAMBLES & CO.
49 Farringdon Street,
LONDON, E.C.4.

AYRTON'S HAIR PRESCRIPTION

RETAIL, per bottle, **1/9** WHOLESALE, per dozen, **14/-**

SHOWCARDS and BLOTTERS supplied with all orders.

Write TO-DAY for specimen letter and C.N.O. tablet ! !

AYRTON, SAUNDERS & CO. LTD

Manufacturing Chemists **Hanover Street, LIVERPOOL**

AN ANTISEPTIC SOAP OF ALL-ROUND UTILITY.

Germicidal Soap (McClintock)

contains 2% of Mercuric Iodide. It is well-known to surgeons and physicians, and being perfectly safe to use may be recommended for a variety of purposes.

To Doctors

As a convenient and reliable antiseptic for the hands in obstetric practice or after contact with contagious cases, or for preparing the skin over the site of operation.

For cleansing surgical instruments. It does not corrode steel or nickel.

To Nurses

As a convenient and quick-acting germicide for the hands, etc.

For disinfecting and cleansing linen used in the sick room.

To the Public

As a precaution against infection.

To destroy pediculi.

To remove odour due to perspiration.

As a shampoo for scurf or dandruff.

Minimum Retail Price ... 1/3 per large tablet

Minimum Wholesale Price 10/2 net per dozen.

GERMICIDAL SOAP (McClintock) comes under Part II of the Poisons Schedule. No signature is needed, only the addition of an address slip.

PARKE, DAVIS & CO.

50-54, Beak Street, LONDON, W.1.

Laboratories - - Hounslow, Middlesex.

T.J. 96.

The monthly price list of Kerfoot products will be sent regularly to any Pharmacist on request.

THOMAS KERFOOT & Co LTD.,
BARDSLEY VALE, LANCASHIRE,
& Bardsley House, London, N.1
ESTABLISHED 1797.

COPYRIGHT

An established favourite and ready seller.

"DUCHESS"

ASSORTED

TOILET SOAP

4½d. Tablets.

PRICE PROTECTED. NO CUTTING.

SALE RESERVED
exclusively to Chemists

Ask us to quote for your "Own Name" soap.
We can please you in quality and price. Samples free.

ERASMIC Perfumers WARRINGTON.

You cannot deliberately ignore the Cheapest Market if you are a keen Buyer ! ! !

Therefore, why not let Us quote You ?

We are actual manufacturers of all kinds of Powder Puffs in Down or Wool, and can guarantee to give you satisfaction both as regards High Quality and Prices. Our Prices, which defy competition, are a consequence of keen buying in the right markets, the benefit of which we accord to our customers.
Therefore our regular Prices are the lowest **always** and do not stand cutting ! ! !

Your enquiries welcomed.

We also SPECIALISE in

MANICURE REQUISITES

NAIL POLISHERS FAVEUR RIBBONS

PERFUME LABELS, "Le Relief" Paris.

We can show you the latest Paris Creations.

DRUGGIST SUNDRIES, etc.

Compact Powder, Nail Crayon and Paste, Vanishing Cream and Skin Food, Perfumery.

In Bulk or Packed ready for Export.

Samples and detailed Price Lists are sent upon request to **WHOLESALERS and SHIPPERS ONLY.**
NO RETAIL FIRMS WILL BE SUPPLIED.

J. R. BOURLAT, GOES & Co.

(Incorporating Wm A. J. SHARPLES)

21 Clarendon Rd., Holland Park, London, W.11

Telephone: PARK 2592.

Laboratories: **4 Beatrice Road, Stroud Green, N.4**

LONDON PARIS BRUXELLES

P.A.T.A. NOTICE.

18 Tavistock Square, W.C.1.

July 15, 1921.

THE Council of the P.A.T.A. hereby heartily invite applications for membership from manufacturers of Proprietary Articles, and from Wholesale and Retail vendors of the same. Whatsoever manufacturers' thoughts may have been in the past about the need for price-protection, none but the selfish can now maintain that better profits (assured) are not essential to the conduct of business. The cost of running pharmacies is now greatly increased, and it cannot be wondered at if retailers give the iciest of "cold shoulders" to proprietaries not on the P.A.T.A. Subscriptions (which run for twelve months from date of joining) are :—

Manufacturers	£6 : 6 : 0
Wholesalers	10 : 10 : 0
Retailers	0 : 7 : 6

Crossed cheques or P.O.s, payable to the Proprietary Articles Trade Association, to be sent to the Secretary,

SIR WILLIAM GLYN-JONES,
18 Tavistock Square, W.C.1

"SANOID" SOAP

It is the best Soap that modern science can produce, made from edible fats and free from excess of alkali. Its perfume is extremely pleasant but not overpowering. Its high-class and very neat packing are distinctly appealing to the most discriminating buyer.

PRICE LIST.

TOILET SOAP	
in boxes of 3 dozen...	per gross 60/-
in boxes of 3 tabs. ...	per doz. boxes 18/-
VISITORS' TABLETS...	per gross 18/6
BATH SOAP ...	per doz. 8/-
SHAVING SOAP ...	,, 10/6
,, ,, Refills	,, 6/-

THE EMPIRE PERFUMERY CO.
(Proprietors: CUXSON, GERRARD & CO LTD.)
OLDBURY, near BIRMINGHAM.

Export & Colonial inquiries invited.

S. African Agents—
ALL BRITISH AGENCY COMPANY,
10 Main Street,
Port Elizabeth.

ESSENFLOUR PRODUCTS LTD.

MYSORE (S. INDIA)

Distillers of Essential Oils and Manufacturers of Perfumery Products

AMBRETTE SEED OIL
CARDAMOM OIL
CALAMUS ROOT OIL
CORIANDER OIL
CINNAMON BARK OIL
CINNAMON LEAF OIL (a Speciality)
CLOVE OIL B.P.
DILL OIL (East Indian)
EUGENOL
GINGER OIL
NUTMEG OIL
PATCHOULY OIL
VETIVERT OIL (S. Indian)

Sole Agent for Europe—

K. B. MAVLANKAR

26/27 Hatton Garden, LONDON, E.C.1

and 29 Corporation Street, MANCHESTER.

1

Shipkoff's Pure Otto of Rose

The TEST of Cheapness is QUALITY—not PRICE

SHIPKOFF'S OTTO OF ROSE is the Cheapest, because it is the *Best Otto* in the market. It is the *Standard Brand*—always *pure, uniform* and *one quality only*. Before placing your contract, be sure to get Shipkoff's sample and price, and try it. Original Sample Coppers in 1, 2 and 4-oz. sizes.

ONCE TRIED—ALWAYS USED.

Highest Awards at all Universal Expositions, including Four Grand Prizes.

Shipkoff & Co., Kazanlik, Bulgaria.

BRANCH OFFICE IN SOFIA.

Model Steam Factories in Kazanlik, Kalofer, Kerlovo and Rahmenlari. London Depot—

G. P. & J. BAKER, LTD., 5 Giltspur St., Newgate St., E.C. 1.

Import, Home Trade, Export Merchants

CRAVEN HOUSE, KINGSWAY, LONDON, W.C.2

ESSENTIAL OILS. ESSENCES.

Proprietary Goods. Perfumery. Fine & Heavy Chemicals, etc.

Representation and Buying undertaken for Home, Foreign and Colonial Houses.

Telegrams and Cables: "Philkiway, Westcent, London."
Telephone: Gerrard 1774. Code: A B C, 5th Edition.

Indents Executed. *Enquiries Solicited.*

DODGE & OLCOTT CO., 20 MARK LANE, LONDON, E.C. 3.

THE "D & O" BRAND

is the "Standard of Quality" for

OILS of BAY, CEDARWOOD, PATCHOULI, PEPPERMINT, SASSAFRAS, ETC.
BALSAMS of Copaiba, Peru, Tolu,
TONKA BEANS, Angosturas.

Phone— CITY 2468.

Telegrams— "EGDARF, FEN, LONDON."

A Perfume of Distinction, which has stood the test of time.

POTTER & MOORE'S
1749 MITCHAM
LAVENDER WATER

Bath Salts

Smelling Salts

Sachets

Frozen Lavender Water

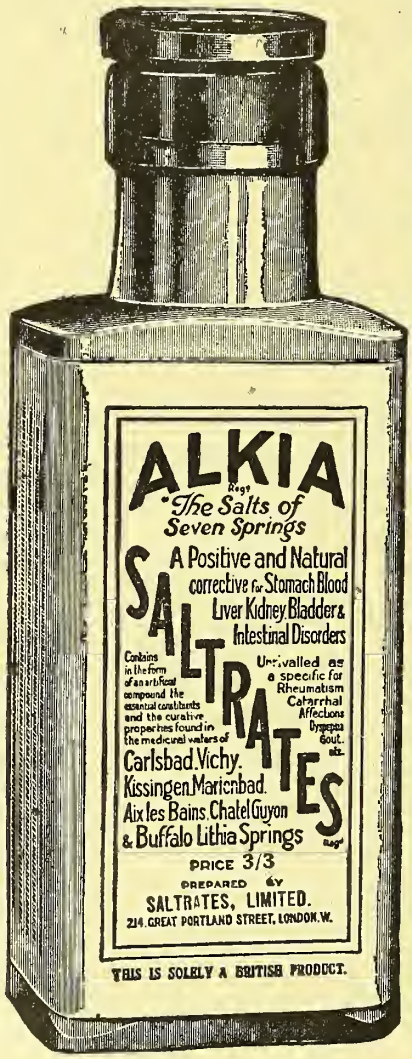
The irresistible charm of Potter & Moore's 1749 Mitcham Lavender Water lies in its subtle fragrance, refined yet most alluring.

PROTECTED P.A.T.A. PRICES					
1/6 size	....	13/- per doz.	8/6 size	24/- per doz.	BONUS TERMS ON APPLICATION
2/6 „	....	21/6 „ „	14/6 „	120/6 „ „	
4/6 „	....	39/- „ „	24/- „	16/- each	
			45/- „	30/- „	

Sole Proprietors—
W. J. BUSH & CO., LTD.
Ash Grove, Hackney.

Two Lines which you, Mr. Chemis

They always mean a pleased and satisfied Custom



ALKIA SALTRATES.

A widely advertised and quick selling product, which represents the maximum of possible efficiency in a saline, and the best value obtainable for the money. Being highly concentrated, exceptionally small doses are sufficient, and there is no trace of any salty or other unpleasant taste.

Protected on P.A.T.A. at the full face value of 3/3 a large bottle.

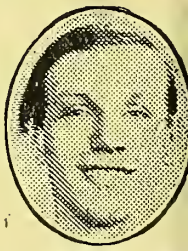
A FEW OF TH

OF ALKIA SALTRATES AN

who have written us praising thes

Mr. A. F. BETTINSON,
Founder and Manager, National Sporting Club.

Mr. EUGENE CORRI,
Famous Referee.



JIMMY WILDE,
World's Champion Bo

ERNEST BARRY,
World's Sculling Champion.

PETER LATHAM,
One time World's Champion Tennis and Racquets.

ALFRED SHRUBB.
Champion Long-dista Runner. Holds Nin World's Records.

FURTHER ENDORSEMENT.

Amongst the hundreds of other well-known people in the Sporting World from whom we received letters telling us of the benefits they have derived from using our products are :-

Fred Fulton ; Eddie McGoorty ; Jim Sullivan ; Johnnie Basham ; Young He T. Deschamps ; Ted Lewis ; W. R. Applegarth ; W. G. George ; J. E. Dea Alfred Felton ; W. G. East ; D. C. Hadfield ; G. Rogers ; Arthur Nighting W. J. Bailey ; The Tottenham Hotspur and Wolverhampton Football Cl

Not designed as the cheapest preparations of the

YOU CAN STOCK THESE GOODS ON *GUARANTEED SALE* TERMS.

Carriage paid in United Kingdom on orders for 3 dozen, which may be assorted.
Handsome showcards of strong selling power sent free on request. Display them in your window, and attract extra business from our present extensive advertising campaign.

can Recommend with Full Confidence

ecause they do exactly what our advertisements say.

PROMINENT USERS

REUDEL BATH SALTRATES,

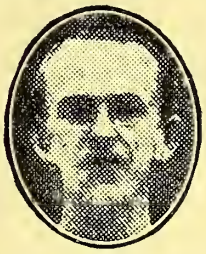
products in the highest possible terms.

GEORGES CARPENTIER, *European Heavy-weight Champion.*

JOE BECKETT, *English Heavy-weight Champion.*

BILLY WELLS, *Famous Boxer.*

JACK HOBBS, *Famous All England Cricketer.*



TOM PAYNE, *Champion Long-distance Walker. Holder of Three World's Records.*

ABE MITCHELL, *Golfing Champion.*

Thousands of commendatory letters on file, and open to examination by anyone.

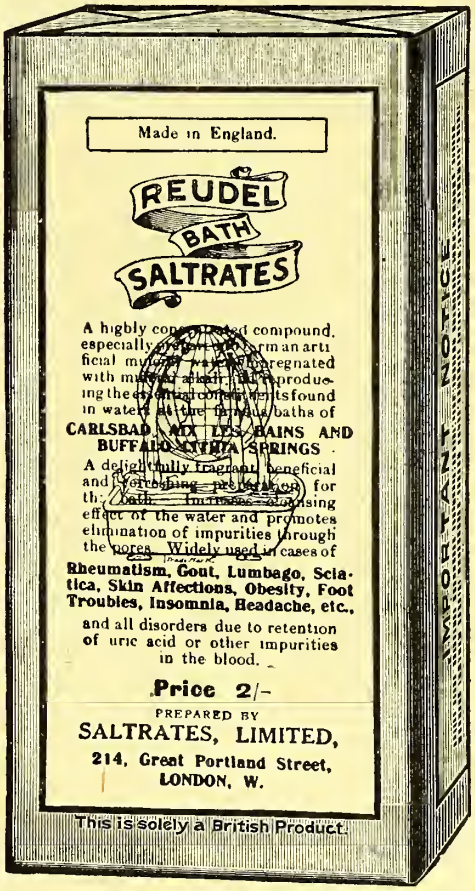
Members of the medical profession, trained nurses, prominent business men, famous actors and actresses, men well known in the Army, Navy, sporting world, and all walks of life are amongst thousands of the correspondents who have written us praising our Saltrates in the highest possible terms after having experienced the remarkable curative effects. The ethics of the medical profession do not permit our making public any physicians' names, but our files of other commendatory letters are open to inspection by anyone at any time.

kind, but the best producible, regardless of cost.

WE CAN GUARANTEE IMMEDIATE DELIVERY OF ORDERS FOR ANY QUANTITIES.

We are fortunate in being able to announce that foresight shown in the laying in of very heavy stocks of supplies in anticipation of the shortage which afterwards developed, *still enables us to guarantee full and prompt delivery of orders for any quantities.*

REUDEL BATH SALTRATES.



The best selling and most fragrant, refreshing, beneficial and all-round satisfactory preparation for the bath or for general toilet purposes.

Especially recommended in cases of foot trouble or rheumatic pains, stiffness, etc. Now being extensively advertised.

Protected on P.A.T.A. at the full face values of **2/-** *and* **3/3** *(double size).*

DEARBORN

LIMITED

37 Gray's Inn Road, LONDON, W.C.

Toilet Specialities.

	Price per doz. to Retailer.	Selling Price P.A.T.A.
PILENTA SOAP - - A complexion soap.	10/-	1/-
PROLACTUM - - For the lips.	10/-	1/-
PARSIDIUM JELLY - For wrinkles.	10/-	1/-
ALLACITE of ORANGE BLOSSOM A dressing cream.	22/6	2/6
BORANIUM - - A hair tonic.	22/6	2/6
SILMERINE - - Hair curling fluid.	22/6	2/6
CLEMINITE - - For a face lotion.	22/6	2/6
COLLIANDUM - - For a face tint.	22/6	2/6
PERGOL - - - A deodorant.	22/6	2/6
STALLAX - - - For a shampoo.	22/6	2/6
JETTALINE - - - For clearing the skin.	31/6	3/6
PHEMINOL - - - A depilatory.	36/-	4/-
TEKKO PASTE - - Camphor cream.	22/6	2/6
MENNALINE - - For the eyelashes.	36/-	4/-
MERCOLIZED WAX - A face cream.	31/6	3/6
STYMOL - - - For oily complexions and blackheads.	36/-	4/-
BARSYDE - - - Dandruff eradicator.	22/6	2/6
TAMMALITE - - For grey or faded hair.	22/6	2/6
LIQUID PERGOL - - To check excessive perspiration locally.	31/6	3/6
BICROLIUM - - For whitening the hands.	22/6	2/6
COCONOIDS - - For figure development.	31/6	3/6
HARAPOSA - - - Nut oil shampoo.	22/6	2/6

STOCKED BY ALL WHOLESALE HOUSES

COLONIAL DEPOTS AND AGENCIES:

AUSTRALIA:
ALL WHOLESALERS, and
DEARBORN, Ltd., Grace House, Clarence Street, Sydney.

SOUTH AFRICA:
LENNON, Ltd.
SIVE BROS. & KARNOVSKY, Ltd. (Johannesburg).

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KEMP & CO., Ltd. (Bombay).
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JAMNADAS BROS. (Bombay).

NEW ZEALAND:
SHARLAND & CO., Ltd. (Auckland & Wellington).

SOUTH AMERICA:
DEARBORN, Ltd., Calla Salta 264, Buenos Aires.

INCREASED SALES
ENABLE US TO AGAIN
REDUCE the PRICE
OF THE FAMOUS
MIRROR NAIL STONES
IN THE POLISHED
ALUMINIUM CONTAINER.
Now 4/6 per dozen.
BRITISH MADE THROUGHOUT.

Obtainable from your usual Wholesaler, or direct from the Makers—

SOLPORT BROTHERS, Ltd.
184-190 Goswell Road - LONDON, E.C. 1.

BIDWELLS
HAIR BRUSHES

ON SALE
or RETURN

Nice Assortment
Good Value
Favourable Terms

Factories: AXMINSTER, DEVON.

Where Quality Reigns Supreme

OUR WEEKLY MESSAGE.

Dependable goods pay everybody best in the long run.

***

We never press for big opening orders, being content for the quality of our lines to bring us bigger "repeat" business.

***

Nearly every account on our books is a growing one. Nearly every customer is a thoroughly satisfied one.

***

Will you give us a chance of serving you well by applying for all our tariffs?

REMARKABLE SUCCESS OF

SIMMS TRADE MARK SET IN RUBBER

GUARANTEED SHAVING BRUSHES

Admired and bought in big quantities by nine chemists out of ten who have inspected them.

EACH IN BOX—GOOD SHOW MATERIAL—RANGE OF OVER 100, to Retail from 2/3 to 63/-. WRITE FOR A SMALL TRIAL RANGE at RETAIL PRICES YOU USUALLY SELL AT.

POUDRE DE LUZY

A line that will please your customers and pay you well.

10½d. ∴ 1/9 ∴ 3/6 Retail

IN DISPLAY BOXES.

Discount 33⅓%. Bonus terms on application.

SALES DAILY INCREASING.

W·H·CALNAN & Co LTD.
30-32 LUDGATE HILL, LONDON, E.C.4.

PAPIER POUDRÉ

TRADE MARKS

"LEHCARESOR."

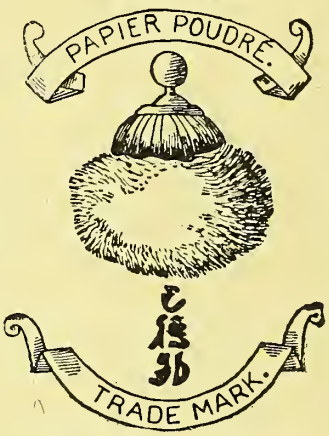
Papier Poudré

British Made Goods.

Beware of Spurious Imitations

Note our Trade Marks.

REGISTERED



PAPIER POUDRÉ, LTD.,
46 Baker St., Portman Sq., London, W.1.
and in Paris.

WHITE, ROSE or RACHEL Tints, 4d., 6d., 8d. and 1/4 size Booklets, 2/8, 3/9, 5/- and 10/- per dozen net, respectively.

SUNBURN TINT, 8d. & 1/4 sizes only, 5/- & 10/- per doz. net.

REFILLS to Mirror Cases in White, Rose or Rachel ... ... **2/8** per doz. net.
8d. SHAVING PADS, for Use after Shaving (unscented). White only ... **5/-** per doz. net.

POPPŒA ROUGE

A most popular line. (Regd.)

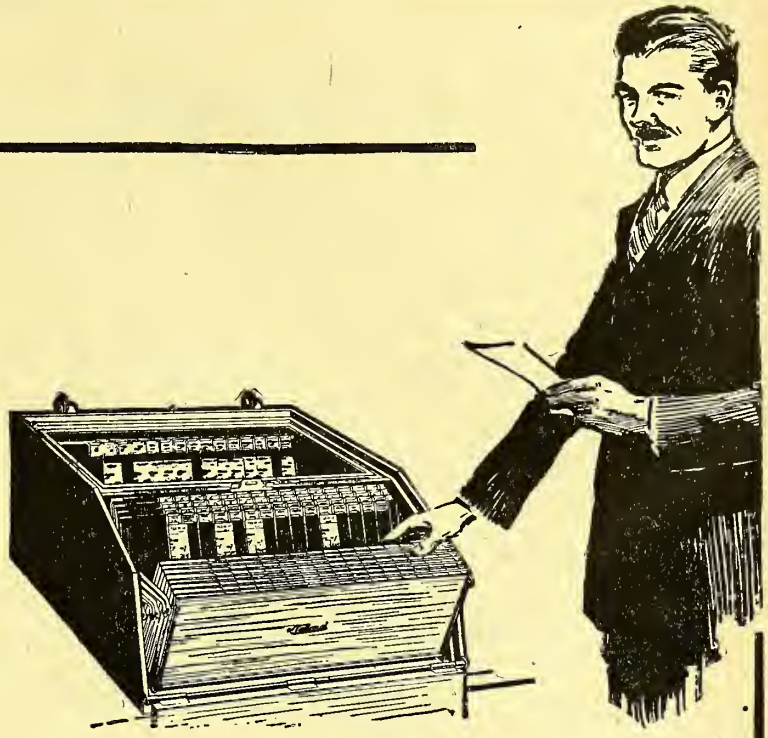
Made in booklet form. One size only, viz. **1/–**, at **8/–** per dozen net.
Mirror Cases 1/4 at **10/–** per doz. **Refills** for same **6d.**, at **3/9** per doz. net.

NOTICE TO THE TRADE.—As supplies of material have now reached a state of normal condition we are in the position of being able to execute all orders.

PAPIER POUDRÉ, Ltd., 46 BAKER STREET, PORTMAN SQ., LONDON, W.1

The Most Simple, Economical and Profitable

way of handling Credit Trade is furnished by



THE

NATIONAL CREDIT FILE

It dispenses with Daybooks, Ledgers and Monthly Statements and affords the following advantages :—

1. **Gives a complete record in one writing of every credit transaction.**
2. **Keeps accounts always posted to date.**
3. **Collects accounts more quickly and reduces bad debts.**
4. **Condition of every account can be seen at a glance.**
5. **Accounts cannot be lost or destroyed until paid in full.**

This modern system gives Proprietor complete control over every C.O.D. and Credit transaction. It stops mistakes, disputes and forgotten charges. Pleases customers. Saves worry, expense and hours of book-keeping.

Let this System relieve you of your "Credit" troubles, and give you greater Profit.

Post the Coupon to-day. ☞

The National Cash Register Company, Ltd.
225, Tottenham Court Road, London, W.1.

Branch Offices in all large Towns.

The
N.C.R. Co., Ltd.,
225,
Tottenham Crt. Rd.,
London, W.1.

Dear Sirs,

Please send me without charge or obligation, further details of the National Credit File.

Name .....

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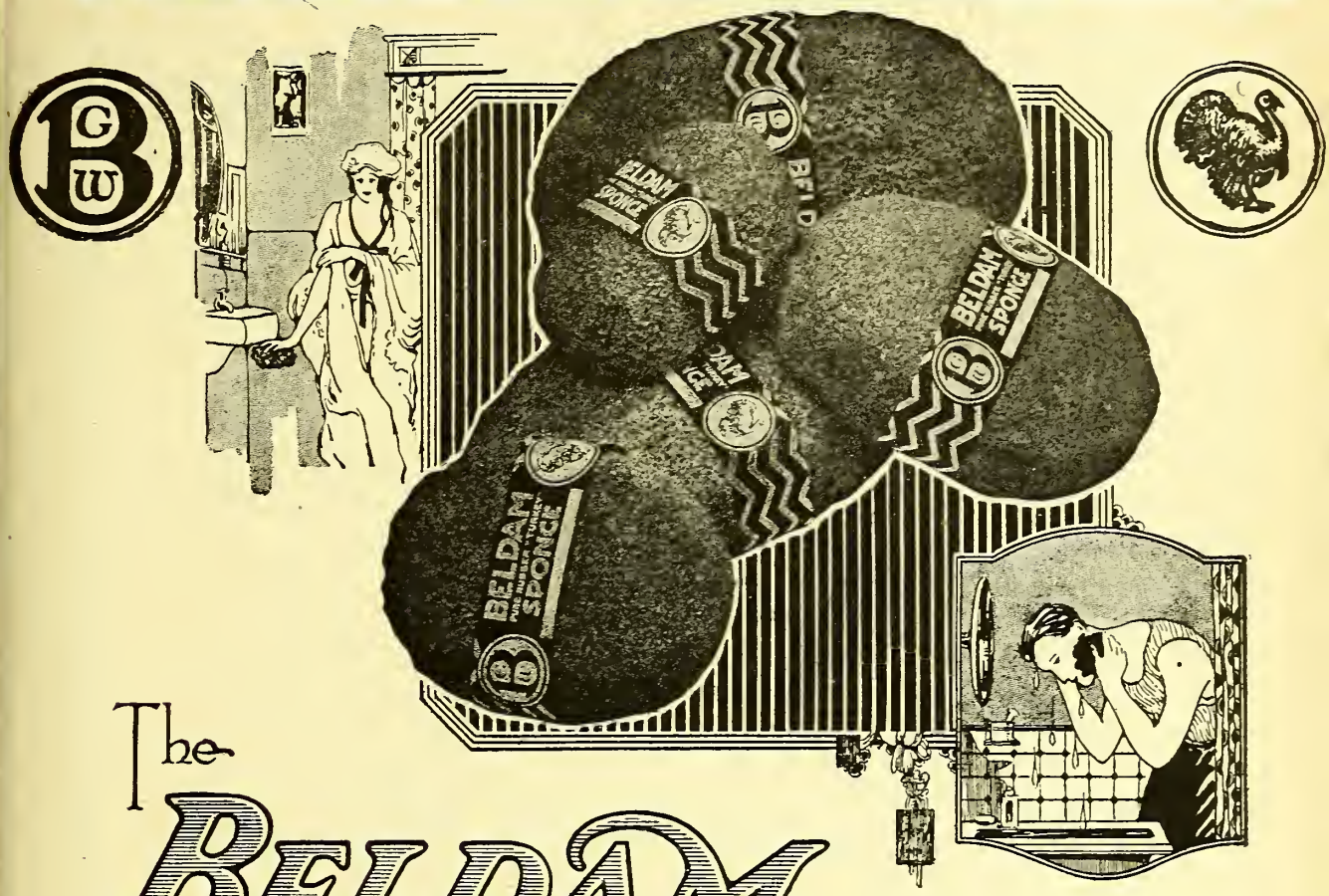

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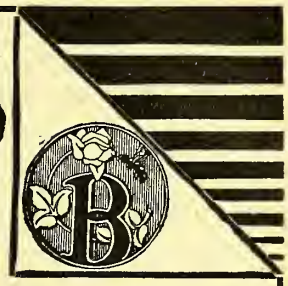

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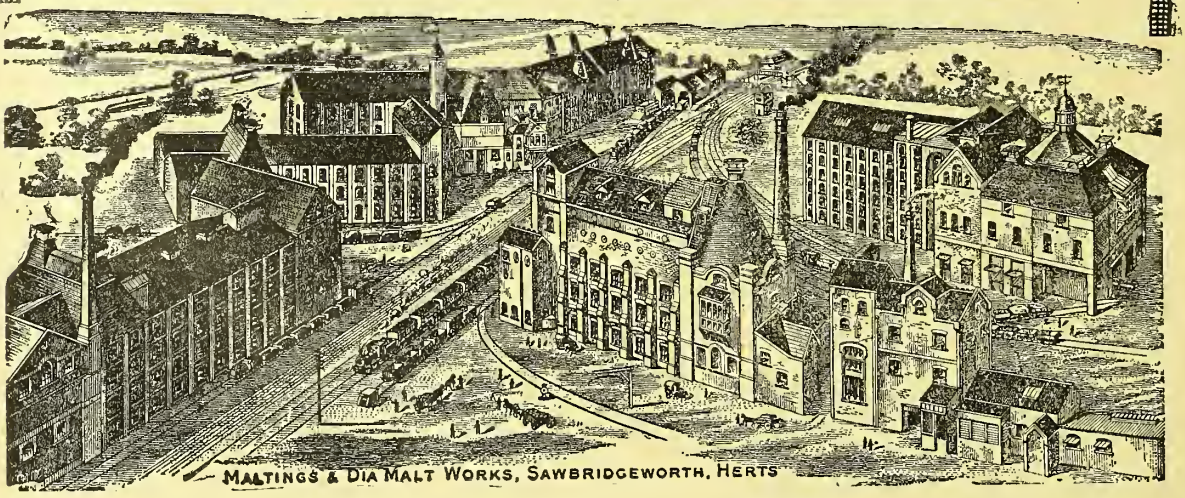
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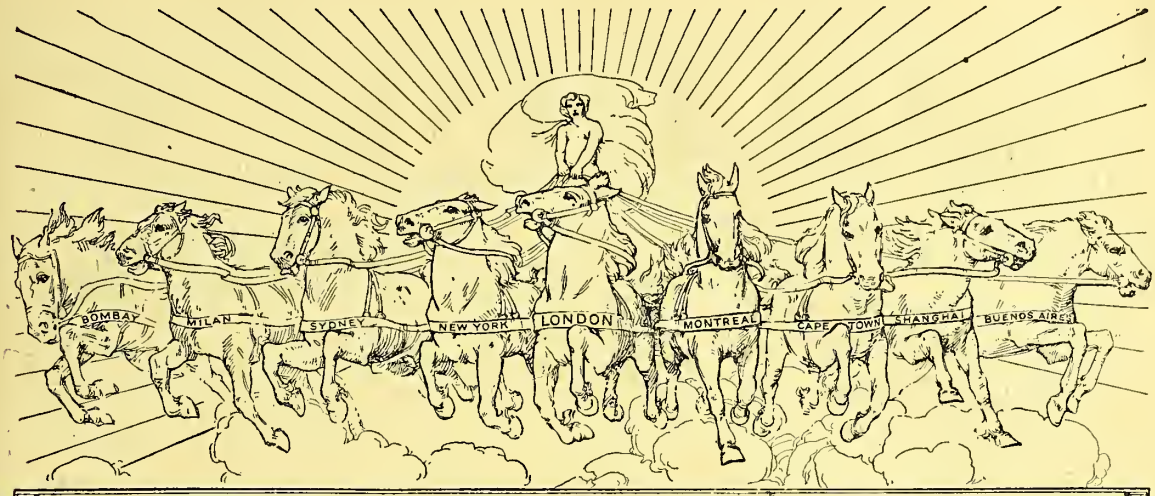

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Index to Vol. XCIV

THE index for Volume XCIV., covering the first half of the year 1921, is in preparation and will be ready shortly. It will be sent post-free to any of our subscribers who send us postcards intimating that they desire copies.

Coming Events

This section of the "C. & D." is reserved for advance notices of meetings or other events. These should be received by Wednesday of the week before the meetings, etc., occur.

Thursday, July 21

North London Pharmaceutical Association will visit Maws' Sports Ground, New Barnet, on the invitation of S. Maw, Son & Sons, Ltd. Trains from Finsbury Park at 12.58 and 2.26 P.M.

SCOTTISH PHARMACEUTICAL FEDERATION (EDINBURGH BRANCH).—The first picnic will be held at Tinto, via Lanark and Falls of Clyde, by motor-charabanc, on July 27. The charabanc will leave St. Andrew's Square at 8.30 A.M. Dinner and high tea in the Tinto Hotel, Symington. Tickets, inclusive of meals, 18*s*. 6*d*. each.

English and Welsh News

The Editor would be obliged if subscribers would send him marked copies of newspapers containing items of interest for insertion in this or other news sections of the "C. & D."

Dyestuffs Industry Development Committee

In accordance with the provisions of Section 2 (6) of the Dyestuffs (Import Regulation) Act, 1920, the President of the Board of Trade has appointed the following: Mr. W. J. U. Woolcock, C.B.E., M.P. (chairman); Mr. Percy Ashley, C.B. (Board of Trade); Sir Henry Birchenough, Bart., K.C.M.G.; Mr. W. H. Dawson; Mr. George Douglas; Mr. E. V. Evans, O.B.E., F.I.C.; Dr. M. O. Forster, F.R.S. (director of the Salter Institute of Industrial Chemistry); Mr. L. B. Holliday; Dr. Herbert Levinstein, F.I.C.; Professor G. T. Morgan, F.R.S.; Mr. James Morton; Mr. Max Muspratt; Mr. Thomas Taylor; Mr. Norman Thomas (Admiralty); Mr. G. S. Witham (War Office), together with another representative of dye-using interests to be appointed shortly, to be a committee to advise the Board of Trade with respect to the efficient and economical development of the dyemaking industry.

Farina Failure

Reference is made in a Blue Book issued recently to the large advances made by the Ministry of Food to the British Farina Mills, Ltd., for the acquisition and equipment of four mills with the object of manufacturing farina in this country. By a final settlement with the company last December the whole of the subscribed shares of the company (25,000*l*.) were transferred to the Food Controller, and the company was placed in voluntary liquidation. The total payments made by the Ministry before the settlement were: Capital advances on debentures, 322,573*l*.; cost of production (net), 130,959*l*. Some 52,000*l*. has been paid since the liquidation, the aggregate amount charged to public funds being over 500,000*l*. It was estimated that the whole of the assets of the company would not realise more than 70,000*l*. The factory produced two tons of farina, which was sold for 70*l*.

Chemists' Retail Prices

The following are among the price changes for July which are being sent out by Mr. Weiss on behalf of the London chemists' associations:

Higher.—Calcii glycerophosph., 5*d*. dr.; glycerin ac. tannic., 1*s*. 1*d*. oz.; hexamina, 4*d*. dr.; 1*s*. 10*d*. oz.; lin. betulæ co., 1*s*. 3*d*. oz.; liq. opii sed., 1*s*. 6*d*. oz.; tinct. lavand co., 11*d*. oz.

Lower.—Acacia gummi opt., 6*d*. oz.; acid. gallic., 1*s*. 4*d*. oz.; acid. oxalic. coml., 4 oz., 9*d*.; acid. salicylic., 5*d*. oz.; acid. tartaric., 4 oz., 1*s*.; argent. proteinate, 7*d*. dr.; asthma powder, 8*d*. oz.; atropina, 7*d*. gr.; atropina sulph., 5*d*. gr.; bismuth cit. 2*s*. 4*d*. oz.; bismuth subgallate, 6*d*. dr.; cera flav. ang. mass., 4*d*. oz.; 4 oz. 1*s*. 2*d*.; cetaceum, 3*d*. oz.; eserin. sulph., 1*s*. 6*d*. gr.; ferrum tartaratum, 1*s*. 1*d*. oz.; ext. ipecac. liq., 8*d*. dr.; henna fol. pulv., 5*d*. oz.; hydroquinone, 11*d*. oz.; ichthyol ammon. sub., 7*d*. oz.; inf. aurant. conc., 6*d*. oz.; inf. buchu conc., 3*d*. dr., 1*s*. 2*d*. oz.; lin. bellad. meth., 10*d*. oz.; lin. opii, 10*d*. oz.; lin. opii ammon., 1*s*. oz.; lin. opii meth., 6*d*. oz.; lin. saponis, 3*d*. oz., 4 oz. 10*d*.; liq. santali co., 1*s*. 6*d*. oz.; mag. cit. eff. opt., 4*d*. oz., 1*s*. 2*d*. 4 oz.; mag. cit. eff. sec., 3*d*. oz., 4 oz. 1*s*.; mel. opt. calif., 4 oz. 10*d*.; mel. boracis, 3*d*. oz.; menthol, 11*d*. dr.; ol. lini., 1*s*. 2*d*. pt.; ol. terebinth coml., 2*s*. pt.; phenacetin, 1*s*. 7*d*. oz.; phenazonum, 5*d*. dr., 1*s*. 11*d*. oz.; potassii benz. synth., 4*d*. dr., 1*s*. 7*d*. oz.; potass. permang., 4*d*. oz., 4 oz. 1*s*. 2*d*.; potass. sulphas pur., 4*d*. oz.; sacch. lactis., 3*d*. oz., 3*s*. lb.; safrol., 2*d*. dr., 9*d*. oz.; saline effervescs., 3*d*. oz., 11*d*. 4 oz.; spt. vini meth., 1*s*. 3*d*. pt.; spt. vini rect., 1*s*. 9*d*. oz.; syr. aromat., 11*d*. oz.; syr. aurantii, 6*d*. oz.; syr. limonis, 4*d*. oz.; tinct. buchu., 1*s*. 2*d*. oz.; tinct. chlorof. et morph. 85, 7*d*. oz.; tinct. gelsemini, 8*d*. oz.; tinct. hydrastis, 1*s*. 5*d*. oz.; tinct. rhei co., 6*d*. oz.; tinct. valer. ammon., 8*d*. oz.; vin. colchici, 10*d*. oz.; zinci sulphocarb., 5*d*. oz.

A "Fruit Salt" Luncheon

J. C. Eno, Ltd., inaugurated a large new canteen at "Fruit Salt" Works, Pomeroy Street, London, S.E., on July 8, by entertaining the whole of their staff to luncheon. The chairman and managing director, Colonel F. Allhusen, C.M.G., D.S.O., was supported by a number

of his co-directors, including Mr. T. Bennett, Mr. G. Heslop, Major Vanden Heuvel, and Mr. J. H. H. Boyd. The company sat down to an excellent luncheon in the spacious room on the first floor, which has been decorated in cream colour and has dark oak fittings. The room seats 150 comfortably and will be a welcome and useful addition to the premises, which have now been in the possession of the company for nearly half a century. Colonel Allhusen gave the toast of "The King," and then made reference to the happy relations which had so long existed between the staff and the directorate. He gave particulars of the long and faithful service of several members of the staff, some of whom had recently retired on pension, and spoke of the enthusiasm with which the staff had taken advantage of the tennis and cricket provided at the sports ground at Weigel Road, Lee. Mr. J. H. H. Boyd expressed the gratitude which the staff felt at the hospitality which the company had provided. The strenuous and busy times through which they had been passing were amply compensated for by the knowledge that everything that could be done for the comfort and happiness of the workers at all times receives the sympathetic consideration of the directorate. A vote of thanks to the chairman by Mr. Jaggers, assistant works manager, brought the luncheon to a close, and the company afterwards enjoyed a musical entertainment.

Inquests on Chemists

An inquest was held at Isleworth Infirmary, London, W., on July 8, on the body of Mr. W., H. Boreham, chemist and druggist, Hanwell, whose death was announced in last week's issue (p. 51). The widow stated that on June 29 she was aroused by the noise of smashing glass. She missed her husband and tried to get downstairs, but was beaten back by flames. A police officer stated that he saw deceased standing in his night attire behind the door attempting to open it. He then disappeared. The door was broken open, and Mr. Boreham was found, severely burned, lying on the floor. He was removed to the Infirmary, where he related how he went downstairs to get a drug, that he lit his pipe for a smoke, and the match fell upon a quantity of cotton-wool, which caught fire. Deceased had tried to extinguish the flames, but could not do so. A verdict of "Accidental death" was recorded.—A verdict of "Suicide while temporarily insane" was returned at the inquest on Maurice Sansom, Ph.C., Barrow-in-Furness (see p. 49). He was found dead with two small bottles and a glass which had contained hydrocyanic acid by his side. Evidence was given that the deceased had recently suffered from depression and insomnia.—The sudden death of Mr. J. Kerr Reid, chemist and druggist, Jerdan Place, Walham Green, London, S.W., was the subject of an inquest at the Fulham coroner's court on July 6. Mr. D. B. Reid, deceased's brother, stated that his brother was complaining of being run down and suffering from pains in the chest when he last saw him, three weeks prior to his death. Mr. A. R. G. Butterworth, an assistant, said that Mr. Reid had complained about his chest and of being out of breath on July 2. When witness went through to the dispensary about five o'clock he found Mr. Reid in the chair dead. Dr. A. H. Little said he was called at five o'clock and found Mr. Reid sitting in a chair in the dispensary, dead, but the body was quite warm. As the result of a post-mortem examination, he ascribed death to heart failure, due to dilated heart and pulmonary tuberculosis. A verdict of "Natural causes" was returned.

Fires

The following outbreaks of fire have been recorded since our last report:

A fire occurred on July 7 at the premises of W. J. Bush & Co., Ltd., 35 Mare Street, Hackney, London, E. The outbreak is attributed to a light being thrown down.

The fusing of an electric-light wire was the origin of an outbreak of fire, which caused a fair amount of damage, on July 6, at the premises of J. T. Lambert & Co., chemists, Wombwell.

The building occupied by Adams & Beemans, Ltd., chewing-gum manufacturers, and Spurway & Cie., Ltd., perfumers, 89 Great Eastern Street, London, E.C., was, on July 7, the scene of an outbreak of fire, the cause of which is unknown. The damage was not extensive.

An outbreak of fire, from an unknown cause, occurred, on July 8, on the premises occupied by Kolynos Incorporated, dental-cream manufacturers, Aldersgate Street, London, E.C. The outbreak originated in the basement, but was kept within bounds by a fireproof floor on the ground-level.

Birmingham

Mumps are still prevalent in the district.

So far this year there have been thirty-five bankruptcies in Birmingham, as compared with twenty-seven in the twelve months ended December 1920.

Dr. J. Coole Kneale, who was complimented by the Judge on the way he gave his evidence in the recent Shirley murder trial, was formerly in business as a pharmacist in Sparkhill, and at one time an assistant to Mr. Charles Thompson.

Included in the list of students who have recently received degrees at Birmingham University are Mr. F. G. Srawley, awarded that of M.Sc., and Mr. F. P. Flowerdew, the B.Sc. The former student, who is a nephew of Mr. John Freeman (J. & E. Freeman, Ltd., Icknield Street), is twenty-one years of age. The latter student, whose father is Mr. F. P. Flowerdew, chemist and druggist, West Bromwich, is only eighteen years old. He matriculated four years ago and passed the "Inter" two years ago.

Liverpool

Mr. W. E. Flenly, chemist and druggist, has taken over the Great Crosby branch of Mr. W. S. Corkill.

The carriage of a returned empty carboy of peroxide of hydrogen from Liverpool to London this week cost 10*s*. rail and 1*s*. 8*d*. cartage. The railway companies charge 10*s*. per ton, with a minimum of 10*s*.

Mr. Henry Peet, F.S.A., has discovered, and proposes to transcribe, a Liverpool valuation list of the eighteenth century, at which period the sanitary and lighting rate of the old city was a shilling in the pound.

As a sequel to the visit of the Prince of Wales, thousands of films have been sent to develop, and pharmacists with photographic departments in Liverpool, Bootle, and Southport have received a goodly share.

Amid the abnormal heat the windows of many chemists present a cooling aspect. Lemon tablets (with lemon object-lessons) and other refreshing preparations are well displayed. A dull window is a rarity.

The baby show annually held at Bootle as an advertisement for the post-natal clinics has been abandoned because the clinics are overcrowded. Much of the popularity of the clinics has been built up on "Glaxo."

Miscellaneous

Traffic in Cocaine.—At Marlborough Street Police Court, London, on July 9, Minnie Hanley was sentenced to six months' hard labour for being in possession of, and offering to sell, cocaine.

Southend Chemists at Play.—Southend-on-Sea Chemists' Cricket Club was defeated by the local doctors in a match played on the Westcliff Club ground on July 6. The chemists batted first and were dismissed for 97, of which Mr. Giles scored 45. The doctors replied with 220 for six wickets, Dr. Sells contributing 101.

Poisonings.—The following cases of fatal poisoning have been recorded since our last report: At Shoreditch, London, E., a man named Witcombe committed suicide by drinking spirit of salt.—A verdict of "Death by misadventure" was returned at an inquest at Chorlton-on-Medlock recently on the body of Adelaide Rene Gemmell, who died from strychnine poisoning. She had been taking tabloids containing strychnine, and, in the doctor's opinion, had taken an overdose.

Wholesale Druggists' Cricket Championship.—Allenburys, on their own ground, Salisbury Hall Farm, Walthamstow, London, E., defeated Burgoyne, Burbidges, on July 9, by 18 runs, the scores being 108 and 90 respectively. For the winners, W. T. Stokes scored 52 runs, and for the losers Burton made 35.—The British Drug Houses Cricket Club paid a visit to Nottingham on July 9, and defeated Stevenson & Howell by 66 runs, the scores being: British Drug Houses, 121; Stevenson & Howell, 55. For the winners H. C. Lake scored 29 and G. R. Dutton 25 runs.

Drug and Fine Chemical Manufacturers' Association.—The National Amalgamated Union of Shop Assistants, Warehousemen and Clerks has received a communication from Sir William Glyn-Jones (secretary of the above Association) giving six months' notice (expiring in October) to terminate the existing agreement between the Union and the Association. The Association also express the desire that a Trade Board should be set up for the trade. In the meantime the Association has given notice for a reduction in wages to operate from August. Representatives of the Union have met the Association, but failure to agree to the suggested drastic reductions has led to the matter being referred to arbitration.

Hairdressers' Charges.—As the result of complaints received by the London County Council (*C. & D.* I., 1921, p. 607) regarding overcharges in hairdressers' shops, that Council has issued by-laws for the regulation of hairdressers' establishments in which face or scalp massage or manicure treatment is administered to female customers only, or in a shop or saloon in full view of all customers. Every registered hairdresser must exhibit a complete scale of fees or charges for treatment given at the establishment, and furnish the Council with a copy Any alteration must be notified. The maximum penalty for making a higher charge than that displayed in the saloon is 5*l.*, and a contravention of any by-law may involve a cancellation of registration.

A Trade Board has been established for the boot and floor polish trade in Great Britain. The Order covers: (1) the manufacture of boot and shoe polish or cream, blacking, dubbin, or floor polish or cream, and (2) the manufacture of stain for leather or of polish for leather or furniture, when carried on in association with or in conjunction with the manufacture of any of the articles specified in paragraph (1) above, including the following or similar operations when incidental to operations included in paragraph (1) or (2) above: (i.) Checking, testing, grading, weighing, measuring, (ii.) filling, lidding, boxing, bottling, packeting, labelling, (iii.) packing, unpacking, despatching, warehousing, portering, time-keeping, storing, stock-keeping, but excluding the manufacture of boxes, canisters, or other containers.

Grocers' P.A.T.A.—"The Grocer" raises the question whether the time has not arrived for the protection of proprietary articles sold in the grocery trade. Our contemporary states: "There is amongst chemists a well-known institution established for this purpose—the Proprietary Articles Trade Association—and its operations have been usually successful. More than once the question has been asked whether a similar movement could not be set on foot to help in the distribution of proprietary articles in the grocery trade. The opinions of retail grocers as to whether in their judgment such a movement could be set up would be well worth having. The difference between the chemist and the grocer is very considerable, and we will not attempt now to recount the difficulties which would have to be met were an attempt to be made to control prices in the grocery trade in the way in which they are controlled by chemists. Some scheme of the sort has been mooted more than once, but when it has been brought forward it has been rejected as impossible of fulfilment."

Dr. Philippe Boutonnet, who has been nominated to the Chair of Biological Chemistry at the Imperial Faculty of Medicine, Constantinople, is a qualified pharmacist (of the Paris Faculty), and an ex-house pharmacist of the Parisian hospitals.

Irish News

Brevities

Boileau & Boyd, Ltd., Dublin, have been appointed contractors for medicines by the Thomastown Guardians at an abatement of 13½ per cent.

At the Waterford Assizes, last week, before Lord Justice Ronan, Mr. J. K. Walsh, George's Street, Waterford, appealed from the decision of the County Court judge in dismissing a claim for damages against Bell Bros., The Quay, Waterford. Messrs. Bell were alleged to have sold plaintiff whisky colouring contaminated with paraffin, causing loss on the spirit in which the colouring was used (*C. & D.*, April 23, p. 26). The judge dismissed the appeal.

Belfast

Mr. J. B. Robinson, Ph.C., Duncairn Medical Hall, Antrim Road, Belfast, has retired, and has disposed of the business to Mr. George Bell Busby, Ph.C., of Harmur's, Ltd., Ann Street, and late of Wm. Dobbin & Co., North Street. Mr. Busby served his apprenticeship with Mr. Robinson.

Major H. R. Haslett (J. & J. Haslett, Ltd., wholesale druggists) recently unveiled the Roll of Honour of St. Michael's parish, Belfast, in connection with the war. Major Haslett served with the 9th Battalion Royal Irish Rifles, which was largely raised in this parish. Major Haslett said he would like to testify to the splendid manhood and bravery of the men of the parish under the most trying circumstances. He often marvelled at their courage and cheerfulness under the most appalling conditions.

Mr. Jas. Henderson, postmaster and druggist, 47 Great Victoria Street, Belfast, had an exciting experience on July 8. Four armed men raided the shop; two of them dashed behind the counter where Mr. Henderson was standing, whipped out revolvers, and ordered him to put his hands up. The other men also menaced several assistants in the shop with revolvers. The raiders then wrenched off the telephone receiver, and proceeded to examine the tills. One of the men behind the counter next directed his attention to the safe, which he opened, removing the cash-box. Mr. Henderson pluckily grappled with the man and seized the cash-box. One man, however, snatched the cash-box and ran away, followed by a crowd. Near the Great Northern Station he was tripped up and fell violently to the ground. The crowd then beat him about the head and body so that he had to receive medical treatment, after which he was taken to the police office. Mr. Henderson was agreeably surprised when the crowd brought back his cash-box.

At the quarterly meeting of the Ulster Farmers' Union in Belfast on July 9 the following report on the Dangerous Drugs Act was read:

As reported to last meeting of Council, your Executive opposed with all their energy the Regulations proposed under the Dangerous Drugs Act by the British Home Office. Your Executive are glad to be able to report that, chiefly as a result of their work, the Home Office have now consented to a system of certificates by which the police will certify that a person is a *bona-fide* farmer or stock-breeder, and the presentation of the certificate to a chemist or druggist will enable him to obtain his cattle medicines containing any of the scheduled poisons in the same way as heretofore. In connection with the foot-and-mouth disease question and the Dangerous Drugs Act, your Executive have recorded and expressed to Captain Craig their appreciation of the courtesy and invaluable help given by him. When your deputation visited London Captain Craig was unremitting in his efforts to assist them in every possible way. To Col. Sir William Allen, also especially in connection with the Dangerous Drugs Act, your Executive desire to record their gratitude for the magnificent help rendered.

Dublin

At the Dublin City Sessions, on July 9, the Recorder awarded 2,500*l.* compensation in a claim in connection with the shooting of Mr. Richard Duggan, chemist, Summerhill, Dublin. It will be recalled that armed men raided Mr. Duggan's shop for black enamel, and in the course of the raid Mr. Duggan was fatally shot.

Scottish News

Brevities

The spell of hot weather, assisted by appropriate window-displays, has given an impetus to the sales of effervescing preparations and photographic material.

A baby, seventeen weeks old, has died at Bargeddie from the effects of opium-poisoning. The child was given, by mistake, a powder, which contained opium, intended for its mother.

At a meeting of Linlithgow Town Council, on July 5, Donald R. H. Spence was admitted a burgess and freeman of the Royal Burgh, in right of his father, Mr. John Wilson Spence, J.P., London.

As a result apparently of the recent correspondence on the sale of methylated spirit, some crank is sending objectionable letters to chemists. The letters are anonymous, or the writers could easily be brought to account for libellous statements.

The members of the family of Mr. A. F. Dugan, chemist and druggist, Aberdeen, a past-President of the local Pharmaceutical Association, have distinguished themselves in the recent examination of the University of Aberdeen. The elder son, Dr. A. M. Dugan, has added the D.P.H. to his other degrees; Douglas, the younger, has obtained the M.B., Ch.B., degree; and Miss Dorothy Dugan has passed her final examination for the B.Sc. Both sons served in the war, the younger being seriously wounded.

The death was announced, recently, at Elgin, of Mr. William Taylor, J.P., aged seventy-two, one of the best-known antiquaries in Scotland. After serving his apprenticeship as a chemist in Elgin he became an assistant in Edinburgh, where he attended lectures in botany, zoology, and chemistry, subsequently emigrating to Texas. A Fellow of the Geological Society of Edinburgh, and also of the Royal Physical Society, Mr. Taylor was noted for researches in palæontology. During the past twenty-five years he has added about half-a-dozen to the known species of fossil fishes of Morayshire.

Glasgow

An outbreak of fire caused a considerable amount of damage, on July 9, at the chemical works of R. & J. Garroway, Duke Street. The cause of the outbreak is unknown.

The third rink game of the bowling section of the Glasgow Pharmacy Club was played on July 12 on Bellahouston green. The following were the skips and scores: D. Black 19 *v.* J. T. Simpson 14=5 shots up; G. McDonald 19 *v.* H. P. Arthur 16=3; C. B. Lee 23 *v.* A. G. Sutherland 21=2. The players in the winning rink were Messrs. Chisholm, McKay, Muir, and Black. The prizes—cigarette-cases and tobacco-pouches—were presented to the winners by the donor, Mr. W. Wood Wilson.

At a recent meeting of the Glasgow Corporation it was proposed that the salary of Mr. W. A. Walmsley, manager of the chemical works in connection with the gas department, be increased to 1,000*l.* per annum by two annual increments of 100*l.* It was stated that those responsible for the conduct of the chemical works had promised for this year a free surplus to the gas department of 360,000*l.* from the working of by-products, and it was expected that they would be able to give 424,000*l.*, despite the collapse of the market for residuals. The motion to increase Mr. Drummond's salary was eventually carried.

THE PROVISIONAL BOARD OF HEALTH of the Free Town of Danzig announces that the Senate has granted permission for the opening of a new pharmacy in Liessau as a purely personal concession, on the basis of the "Decree of the Most Highest of June 30, 1894" (*sic!*). This is the Royal Prussian decree introducing the purely personal concession system for all new pharmacies throughout Prussia, which is still in force in the new Free Town of Danzig.

French News

(From the "C. & D." Paris Correspondent.)

THE WEDDING OF MADEMOISELLE PERROT, daughter of the popular Professor of Materia Medica at the Faculty of Pharmacy of Paris, attracted most of the pharmaceutical and many of the medical notabilities of the capital to the old parish church of St. Médard, close to the Quartier Latin. The bridegroom was M. Marcel Lechevallier Chevignard (Croix de Guerre).

THE SHORTER DAY.—The application of the Eight Hours Act to pharmacies is still under consideration. A few weeks ago the representatives of pharmacists and of pharmacy assistants were invited to meet at the Ministry of Labour, where one of the officials of the Ministry took the chair. No decision was arrived at, the pharmacists maintaining that eight hours in a pharmacy did not really represent eight hours' work. The representatives of the assistants referred to what is called an Eight Hours Act, while nine and a-half and ten and a-half hours per day is the usual term, pointing out that the Act, passed two years ago, has never yet been applied to the profession.

THERE ARE FORTY AMENDMENTS proposed to the draft Pharmacy Bill of Professor Emile Vincent. A long discussion on the Bill took place at the meeting of the Council of the General Association of French Pharmacists, several Alsatian pharmacists being present. The general feeling was that, if the Bill itself had no chance of being brought up for debate in the Chamber of Deputies in the near future, efforts should be made to secure the adoption of the projected pharmacy statutes for Alsace-Lorraine, which embody a revised system of limitation. Whether it were practicable to extend this system to all France at a later date was a question which might be temporarily postponed.

MADAME CURIE disembarked at Cherbourg on July 2, accompanied by her two daughters and Mr. Vernon Kellog, of the National Research Council, Washington. Her arrival assumed the aspect of a public ceremonial; the Vice-Admiral, Prefect, and authorities officially received her, and bouquets were presented by the representatives of the local high schools. The gram of radium, in its mahogany casket, was landed under the eye of a special police inspector detailed to accompany it to Paris. Mme. Curie retains only the golden key of the box, inscribed on the one side: "The Women of America to Marie Curie," and on the other "White House, May 20, 1921." Mme. Curie is somewhat fatigued with her eventful journey, and proposed to rest before resuming her scientific work. A special train brought her to Paris.

PARIS SOCIETY OF PHARMACY.—At the June meeting the President (M. Bougault) congratulated M. Lebeau, Professor at the Faculty of Pharmacy, on his recent nomination as Officer of the Legion of Honour. A letter was read from the Wholesale Druggists' Association on the 1908 Supplement to the Codex. A second letter from the French Association for the Advancement of Sciences announced that this body had decided to distribute its stock of books among the various French libraries and laboratories, and asked the Society to hand in a list of what would be of value. M. Bernier then presented the report of the Tenth Sub-Committee on Codex Revision (capsules, gargles, etc.). A discussion followed, in which several modifications of M. Bernier's text were proposed. He was asked to embody these little alterations in a new report, to be presented to the Society for final adoption. M. Guerbet gave some account of the first results obtained by M. Bouillot, who is studying methylarsenate of strychnine. M. Goris, who has been investigating the subject of the alkaloids of belladonna leaves, found that the extract obtained by carrying out the Codex process contained only hyoscyamine, and no atropine. M. Meillère spoke on the reaction of yohimbine, and M. Bernier read the report of the committee nominated to select the candidates for the vacant resident membership of the Society. Ten had solicited election. The report concluded in favour of M. Peneau. The actual election will take place later.

South African News

(From "C. & D." Correspondents.)

"The Chemist and Druggist" is supplied weekly to members of all the Chemists' Societies in South Africa

The Union

New Medical and Pharmacy Bill.—A new Medical and Pharmacy Bill is promised in the next session of Parliament. It is hoped that it will end a lot of anomalies and improve the status of the chemist and druggist. An effort will probably be made to limit the selling of medicines, etc., to chemists. At present every little store has its stocks of medicines (and potent ones among them), and what between that and doctors doing their own dispensing there does not seem much left over for the chemist.

Natal

Mr. A. M. Fyvie has resigned the secretaryship of the Natal Pharmaceutical Society, and is at present in England on holiday. Mr. W. Hosking, who has just recovered from a successful operation for acute appendicitis, has been appointed honorary secretary.

Orange Free State

State of Business.—"Just now," writes an Orange Free State subscriber, "we are in the depths of a slump in this country, and that, together with the new taxation imposed, has given business a set-back. It is probable that the slump out here is a reflex of the conditions of business in England, though fortunately we have not the acute labour troubles that you have. At the same time, the feeling is prevalent that the depression is temporary and that the worst of the slump has been seen."

From Pharmacist to Physician.—News has reached Bloemfontein that Mr. Strafford S. Hewitt, well known in Free State pharmacy from 1902 until 1916, has taken his degrees of M.R.C.S. and L.R.C.P. Dr. Hewitt passed the Qualifying examination at the Square in 1893 and came to South Africa shortly afterwards. During the Boer War he served as an irregular trooper, and at its termination took over the management of the Bloemfontein branch of Heynes Mathew, Ltd. When the time came in 1904 to introduce new legislation in regard to medical and pharmaceutical matters, Dr. Hewitt was nominated by the Government to a seat on the Council. In this capacity he took a prominent part in drafting the Medical and Pharmacy Bill, which became law and has since been referred to as one of the best in the Empire. Dr. Hewitt held this seat until he left for London in 1916. He is now house physician to Sir John Broadbent at St. Mary's Hospital, London, where his friends in South Africa have no doubt he will make a name for himself.

Dr. S. S. Hewitt.

Natal Pharmaceutical Society

The annual meeting was held in the Municipal Buildings, Durban, on April 25. There were present Mr. V. G. Acton (*President*), Messrs. Firth, Tyson, Anderson, H. Champion, Mellody, Peel, Gelling, Stranack, Cooper, Walton, W. Hosking, and Fyvie (hon. secretary). Arising out of the minutes it was announced that the sum of twenty-eight guineas had been actually received for the laboratory fund, and this, with the other amounts promised and the Society's contribution, made the total to date 67*l.* 5*s.* The equipment for the laboratory is now on its way from England, and it is hoped to have everything completed in a few weeks.

The President gave the following *résumé* of the year's work :—

Although there has not been a large amount of business before the Society during the past year, one or two matters of considerable interest have been dealt with. In June a limited measure of reciprocity was attained by the Cape, Transvaal, and Natal, through a joint agreement arrived at by their respective Pharmacy Boards. This agreement was not universally popular. It was held by some that the need for reciprocity was actually a most powerful weapon, and should have been used as a lever to force the hand of the Government if possible, and bring about the speedy passing of the Medical and Pharmacy Act. The agreement, moreover, was based on a certificate of examination, whereas it was urged by some that the basis should have been the present Register of Chemists *in toto*, many of the older chemists being debarred from their privileges under the existing arrangement. Nevertheless, on the principle of the "half-loaf," chemists are to be congratulated on even a limited measure of reciprocity which has automatically put an end to many anomalies previously existing. In December the new Customs Regulations dealing with habit-forming drugs were enforced, and proved more stringent than any in the past. The retailer is lucky in that he escapes the full weight of these Regulations, at any rate for the present, it being the importer who has to shoulder the extra responsibilities. In the near future a Habit-forming Drugs Act may be expected. The present Regulations foreshadow this, and it will prove equally onerous to all branches of the trade. During the past year considerable attention has been paid to extending the existing educational facilities open to apprentices and students for the pharmaceutical examination. In proportion as the standard of examination has been improved it has become more and more necessary to find means whereby students may be able to receive a more comprehensive training both in the scientific and practical branches of their profession. A system of three-year classes has been adopted by the Technical College which should be of considerable value. In addition, a model dispensary is being fitted up in the College buildings, chiefly at the expense of the chemists themselves, and to which the Society donated 20*l.* This dispensary will be shortly opened, and should give students and apprentices a better chance of correctly organised practical training than they have ever yet had in Durban. In future there should be less necessity for the large amount of "cramming" in connection with our examinations, which so far has been unavoidable. In the Cape one prosecution has taken place under the Companies Act. The Cape Pharmaceutical Society took action against a local company, the case so far being undecided. The Justices suggested that the Pharmaceutical Society should be backed by the Pharmacy Board, and recommended further action to be taken under those conditions. During the year twenty-two new members were elected and two hon. members—viz., Mr. B. M. Narbeth, the Principal of the Technical College, and Dr. Wynn Westcott, joint editor of Martindale's Extra Pharmacopœia. The Natal Pharmacy Board has been informed by the Secretary of Public Health that the Medical and Pharmacy Bill must be introduced this session. As it is now five years since the Bill was first introduced it will be a relief to all when it is safely through the House. This year has seen the formation of an Association of Chemists' Assistants to defend the interests of all salaried persons in the trade, whether qualified or unqualified. A union of this nature is still quite a new thing in South Africa, and a good deal of speculation is naturally rife concerning it. It is felt, however, that the Society should welcome its presence, if only as a sign of that spirit of co-operation which is necessary for the mutual welfare of the craft. Mr. Fyvie, whose resignation has been received with deep regret, has filled the office of hon. secretary for the past four years, and during that time has worked vigorously and ably for the good of the Society. To mention only one matter as showing his keenness it may be said that the membership during the last four years has increased by his efforts from forty-two to eighty-six. In addition to his secretarial work he has also occupied a seat on the Pharmacy Board, and has acted as chairman for the local price-list committee. The balance-sheet, showing a credit of 52*l.* 7*s.*, was submitted and passed. The election of office-bearers took place, and resulted as follows: President, Mr. V. G. Acton, re-elected; Vice-President, Mr. T. R. Walton; committee, Messrs. Firth, Champion, Anderson, N. W. Hosking; hon. secretary and treasurer, Mr. W. Hosking, c/o Messrs. Lennon, Ltd., Durban; auditors, Messrs. Dunkerton and Roadknight, re-elected. Messrs. Cooper and Tyson, ex-Presidents of the Society, paid a tribute to the work of Mr. Fyvie had done as secretary of the Society, and as chairman of the Chemists' Price Committee, and wished him a pleasant and happy holiday in the Old Country. Mr. Cooper said that Mr. Fyvie's services to the Society should be placed on record with special thanks, and Mr. Fyvie suitably replied.

Legal Reports

Tartaric Acid Deal.—Mr. Justice Bailhache, in the King's Bench Commercial Court on July 7, had before him a claim by C. W. Field, Ltd., chemical manufacturers, Wood Street, Liverpool, against Samuel Lambert & Co., chemical merchants, of Mincing Lane, London, E.C., to recover 1,878*l.* 6*s.* 8*d.*, the balance of the price of 10 tons of tartaric-acid powder and tartaric-acid crystals sold to the defendants. Mr. Doughty, for the plaintiffs, said defendants had intimated that they would not further oppose the claim. The goods were delivered, and certain questions arose which were submitted to arbitration. The award went in favour of the plaintiffs, but the defendants were not able to comply with the terms and therefore the matter was compromised, the plaintiffs taking back the 10 tons and selling them on defendants' behalf for 1*s.* 10½*d.* per lb., defendants being credited with the proceeds of the sale and some 18*l.* allowed in the arbitration. Defendants agreed to pay the balance now claimed as soon as they could, but had not done so. Judgment was given for plaintiffs for 1,878*l.* 6*s.* 8*d.*, with costs.

Advertising a Perfume.—In the Mayor's and City of London Court, on July 7, before Judge Jackson, Ward Lock & Co., Ltd., Warwick House, Salisbury Square, London, sued the Tozana Perfumery Co., Ltd., 257 Gray's Inn Road, for 15*l.* 11*s.* 8*d.* for advertisements of their perfume inserted in January and February of last year in the "Windsor Magazine." Mr. Stephen Jones appeared for the plaintiffs. When the case was last before the Court, Frederick Oswald, plaintiffs' advertising manager, said he received the order from one Caffray, who traded as the Animated Publicity Service, on behalf of the defendants. The advertisements were duly inserted. The price of the advertisements was 9*l.* 10*s.* each insertion, and Caffray had paid 3*l.* 8*s.* 4*d.* on account. Caffray had his business premises at the defendants' offices, and he paid no rent. That was what he said. He was, in fact, in the service of the defendants, and he drew 10*l.* a week for three months until they practically turned him out. When the order came from Caffray the plaintiffs wanted references, and Caffray gave the defendants. Mr. Jones said that Caffray was the defendants' advertisement agent, and therefore could bind the defendants. He urged that where a contract was made by one man who was the agent of another it was binding. Mr. Bevan, acting secretary of the defendant company, said there was no doubt that Caffray was acting as agent of the defendants, but he was discharged for exceeding the orders given him. He was not discharged for giving the plaintiffs an order. Caffray was now in bankruptcy, and the defendants had had a letter from the Official Receiver asking for an amount which he said the defendants owed him. The amount claimed by the plaintiffs was included in that. If the defendants had to pay it would give the plaintiffs a preference over Caffray's other creditors. Caffray paid a rent for the use of rooms which he had in the defendants' premises. He was running an advertisement campaign for the defendants. The Common Serjeant, before whom the case originally came, said the evidence was very unsatisfactory on both sides. The defendants might have to pay the plaintiffs, and in Caffray's bankruptcy too. He (the judge) wanted to avoid that, and he adjourned the case for further proof. When the hearing was continued, plaintiffs' representative said that the defendants had agreed to pay 10*l.*, which they would accept. Defendants were given a fortnight in which to pay the money.

Rubber Sponges.—In the Mayor's and City of London Court, on July 7, before Judge Jackson, International Sponge Importers, Ltd., 42 and 45 Houndsditch, E.C., sued Bright Home Stores, Mile Street, Brierley Hill, Staffs, for 20*l.* 12*s.* 1*d.* for five gross red rubber sponges sold to the defendants by the plaintiffs, who imported them. Mr. Stenham appeared for the plaintiffs, and Mr. Jordan for the defendants. Mr. Stenham stated that the defence was that the plaintiffs had been guilty of a breach of warranty in not supplying the sponges for the purpose for which they were required, nor up to sample. Defendants said they were to be fit for glass polishers. Plaintiffs' case was that it was never part of the contract that they were to supply sponges fit for glass polishers. They agreed to take the goods back if defendants would take other goods, which they never did. Defendants were in the habit of giving orders and writing on postcards without a date and saying "Date as postmark." Sometimes the cards bore no postmark. Defendants at first, in August, asked for glass-cutters' compressed sponges. Those were marine sponges and quite distinct from rubber sponges. Plaintiffs quoted for bales at 1*s.* 6*d.* per lb. In November defendants asked for a quotation for rubber sponges. Mr. Jordan: We said they were wanted for polishing in the glass trade, and must retain their softness in being used in acid. Mr. Stenham added that the plaintiffs quoted for red rubber N.X.L. sponges at 7*s.* 3*d.* per dozen, and 60 dozen were ordered. It was no part of the original contract that they were to supply the defendants with rubber sponges which would withstand acid and could be used for polishing in the glass trade. Defendants wrote after delivery and said that they had a complaint from their buyers, and that the sponges sued for had become hard and unsuitable for the glass trade. Defendants asked plaintiffs to take back four gross of the sponges and let them have some cutter sponges in exchange. Plaintiffs said that that was a new departure to them, and that they had in stock a bale of glass-cutter sponges of about 150 lb., at 2*s.* per lb., which they would exchange, making up the difference with other things. They had none in stock at 1*s.* 6*d.* per lb., and, owing to the American rate of exchange and shipping rates, prices were rising. Defendants had never accepted that offer, saying that the glass cutters in their neighbourhood were not brisk with trade. Defendants asked plaintiffs to pass a credit for fourteen gross of sponges returned, which they refused to do. Mr. H. B. Marks, chairman of the plaintiff company, gave evidence and said marine sponges were packed in compressed bales. They came from America and were used by glass cutters. They did not sell glass-cutter sponges by the gross, but by the bale. Cross-examined, witness said in the general acceptation of the term rubber sponges were non-perishable, but they could not be used for glass polishing in the glass trade. The sponges supplied to the defendants which were now sued for were non-perishable. He was not still ready to exchange the sponges, as, having regard to the manner in which they had been treated, they did not desire to do further business with the defendants. Mr. Jordan submitted that the defendants had no case to answer, and urged that the contract was a sale by description and that the sponges were not equal to it. Defendants had been willing to return the sponges, and, in fact, had done so, but the plaintiffs had not sent theirs in exchange. The sponges were bought for resale, and they proved to be unsuitable for the use of glass cutters, which was what they were wanted for. The defendants were not bound to accept any goods which the plaintiffs chose to foist upon them. Judge Jackson said it seemed to him that the defendants were in the plaintiffs' hands from the first. Defendants had accepted the sponges which were sent, and then the defendants asked if the plaintiffs would mind taking back four gross sponges. Plaintiffs said they would, and would supply others at 2*s.* a lb., but before that plaintiffs had fulfilled their obligations by carrying out the order. Defendants were far too late. Of course, the plaintiffs must behave reasonably, and that they had done. Mr. Jordan said the defendants were quite willing to wait until the plaintiffs could send defendants what they wanted, but the defendants could not sell the sponges sued for. Mr. Thomas Lowther, jun., one of the defendants, was called, and said the sponges supplied were not pure rubber, but only composition, and that was the difference. They had bought sponges elsewhere at 1*s.* a lb. from Nelson & Co., Leadenhall Street. He admitted that there might be two or three different qualities of compressed rubber sponges used in the glass trade. Judge Jackson said he was satisfied there were different qualities of sponges, and when the plaintiffs were willing to exchange the sponges complained of for others at 2*s.* a lb. the defendants should have accepted them. As they did not choose to do so, judgment must be given for the plaintiffs for the amount claimed, with costs.

New Companies
and Company News

P.C. means Private Company and R.O. Registered Office

CLAPHAM DRUG STORES, LTD. (P.C.).—Capital, 2,000*l.* Objects : To carry on the business of chemists, druggists, opticians, etc. T. C. Laws, 10 Lynette Avenue, S.W. 4, shopkeeper, is permanent governing director. R.O., 137 Landor Road, London, S.W. 9.

T. H. SMITH (WISBECH), LTD. (P.C.).—Capital, 500*l.* Objects : To carry on the business of agri-horticultural chemists, manufacturers of and dealers in pulp, jam, and preserves, etc. The first directors are : T. H. Smith, 29 West Street, Wisbech, and R. Scrafton, 1 High Street, Wisbech. R.O., 1 Market Chambers, Wisbech.

NAGELS & CO. (LONDON), LTD. (P.C.).—Capital, 1,000*l.* Objects : To carry on the business of general merchants, importers and shippers, chemists, druggists, drysalters, oil and colour men, etc. The permanent directors are : V. G. Van Waasdyk, Malden Hotel, Watford, and G. C. Gagan, 109 Inville Road, S.E. 17. R.O., 76A Chancery Lane, London, W.C.

JOHN KNIGHT, LTD., will pay the interim dividend on the 25 per cent. cumulative preferred ordinary shares on July 30, at the rate of 12½ per cent. for the half-year to May 31, 1921.

TINLINGS, LTD., Cowcross Street, London, E.C.—A meeting of the creditors was held recently at Winchester House, Old Broad Street, E.C. An extraordinary meeting of the shareholders had previously been held, at which voluntary liquidation was decided upon, when Mr. Norman Wild, of Franklin, Wild & Co., C.A., Broad Street Avenue, was appointed liquidator. Mr. Wild, who presided, submitted a statement of affairs as at June 11 last. This disclosed liabilities of 19,067*l.* 19*s.* 4*d.*, of which 6,314*l.* 13*s.* 7*d.* was due in respect of debentures, and the other liabilities were as follows : Preferential claims, 51*l.* 17*s.* 9*d.*; bankers, 5,294*l.* 5*s.* 9*d.*; New Era Syndicate, 3,100*l.* 16*s.* 2*d.*; trade creditors, 3,409*l.* 4*s.* 9*d.*; directors' fees, 897*l.* 1*s.* 4*d.* The assets were estimated to realise 154*l.* 9*s.* 9*d.*, leaving a deficiency as regarded the unsecured creditors of 18,913*l.* 9*s.* 7*d.* The assets consisted of book debts, 546*l.* 1*s.* 1*d.*, estimated to realise 100*l.*; cash at bank and in hand, 4*l.* 9*s.* 9*d.*, and unpaid calls valued at 50*l.* The issued share capital amounted to 28,602*l.*, but there were unpaid calls considered of no value amounting to 3,875*l.*, leaving the total issued capital at 24,727*l.* That amount, together with the deficiency in the statement of affairs of 18,913*l.* 9*s.* 7*d.*, made a total sum of 43,640*l.* 9*s.* 7*d.* to be accounted for. That amount was made up as follows : Trading losses, 25,924*l.* 3*s.* 10*d.*; bad debts written off, 446*l.* 1*s.* 1*d.*; and goodwill and preliminary expenses written off, 17,270*l.* 4*s.* 8*d.* Mr. Wilde added that there were no assets available for the creditors, and he had been unable to find any source from which assets might be obtained. A creditor asked what became of the money obtained from the sale of the premises. He understood that they were sold for 26,000*l.*, subject to a mortgage of 10,000*l.* The chairman said the statement made was correct, and of the 16,000*l.* received amounts of 5,000*l.* and 1,469*l.* were paid to the debenture-holders, and the balance was utilised in paying the claims of pressing creditors. In the course of the discussion which ensued considerable dissatisfaction was expressed, and Mr. Oliver Sunderland said that the position was one of the worst he had ever come across. Mr. W. H. Cork declared that the position was disgraceful. There was a trading loss of over 25,000*l.*, and there was nothing whatever remaining for the unsecured creditors. In April of last year, to his knowledge, the company was not trading successfully. He suggested that the case was not one for voluntary liquidation, but that a petition should be presented for the compulsory liquidation of the company. It was decided that Mr. W. H. Cork should be appointed to act as joint liquidator, together with a committee of the principal creditors.

Insurance Act Dispensing

A Record of matters concerning Chemists' interests in the National Health Insurance Acts

Reports from Local Centres

ENGLAND

Bury.—A meeting of the newly elected Pharmaceutical Committee was held on July 6. Mr. Allcock was elected *Chairman* and Mr. D. Williamson *Secretary*. The appointments of the members to the Insurance Committee and Sub-Committee, who serve until October, were confirmed. The secretary was instructed to write to Mr. Mallinson, of the Retail Pharmacists' Union, asking that action might be taken to urge upon the Ministry of Health the desirability of appointing a representative of panel chemists upon the Insurance Committee when elected next October. No provision is being made for direct representation of the chemists on the panel, and in view of the lesser number of members constituting the Committees to be elected, chemists in many areas will be without representation altogether. The new regulations as issued by the Ministry of Health with reference to the supply of medicines in a rural area were read and considered. It was satisfactory to know that where patients failed to give the necessary notice within fourteen days the Bury Committee had decided that in all cases the medicines must be obtained from a chemist. Statistical data for the three months ended March 31 showed the cost of drugs in the area was 618*l.* 1*s.* 5*d.*, the number of prescriptions being 16,116, at an average cost of 9.21*d.* The average dispensing-fee was 5.07*d.*; the average ingredient price per prescription, 4.14*d.*

Croydon.—At a meeting of the Croydon Insurance Committee, on July 1, it was reported that the Medical Benefit Sub-Committee had had under consideration a report of the Panel Committee relative to their investigation into the prescribing of local practitioners during last year. In five of six cases specially considered no surcharge was recommended, but in the remaining case the Panel Committee reported that the practitioner had shown a general level or habit of prescribing which was extravagant, judged by the standard of his colleagues. The Sub-Committee, in their consideration of the case of Dr. "F.," recognised that, while it was the duty of the Insurance Committee to see that due economy was observed, there must be no interference with the doctor's duty to order such drugs and appliances as might reasonably be necessary for the adequate treatment of his patients, and that there must not be any attempt to effect a saving on drugs at any cost to efficiency of treatment. Having carefully examined the findings of the Panel Committee, the Sub-Committee were satisfied that during last year the cost of drugs ordered by Dr. "F." was in excess of what was reasonably necessary for the adequate treatment of his patients. The Sub-Committee recommended that the practitioner be surcharged 15*l.*, and that the case be reported to the Minister of Health for consideration in connection with the distribution of the Exchequer grant. Alderman H. K. Moore, the chairman, said that it was unfortunate that the doctor did not see he was in the wrong. They might have further trouble, but he sincerely hoped not.

Devon.—The first meeting of the newly elected Pharmaceutical Committee, convened by Mr. Mallinson as returning officer, was held at the Rougemont Hotel, Exeter, on July 7. Mr. Murray T. Foster was elected *Chairman*, Mr. P. F. Rowsell was re-elected *Treasurer*, and Mr. F. Southerden was re-elected *Secretary*. The secretary reported that there had been no objections from panel chemists in the area to the adoption of the suggested two years' term of office for the Committee. The reports of the Central Checking Bureau for January and February were approved. The secretary read a letter from the Ministry of Health to the Insurance Committee in regard to drugs for tubercular patients receiving domiciliary treatment. Mr. Rowsell pointed out that it cleared up the uncertainty which had existed as to malt and oil preparations.

Lancashire.—A meeting of the Lancashire Prescription Bureau was held on July 9, Mr. J. T. Cooper, Bolton, presiding. Data was considered relating to prescription prices during the quarter ended March 31. These showed that in the ten districts the ingredient prices totalled 5,906*l.* Oldham headed the list with 1,122*l.*, and Bolton came next with 1,047*l.*, while Westmorland was at the bottom with 174*l.* The dispensing-fees and the total costs for the three respective towns were : Oldham, 1,128*l.* and 2,251*l.*; Bolton, 1,218*l.* and 2,266*l.*; Westmorland, 171*l.* and 346*l.* Bolton headed the list with prescriptions, these numbering 79,276 out of 77,832 on doctors' lists. The figures for Oldham were 54,359 out of 64,333, and Westmorland 8,089 out of 10,979. Westmorland and Rochdale had the highest total cost per prescription—namely, 10.27*d.*—while Barrow was the lowest with 8.80*d.* In all the other towns the cost was 9*d.* or just over, while the average was 9.46*d.* The average ingredient price per prescription was 4.47*d.*, Rochdale heading the list with 5.28*d.* and Barrow being the lowest with 3.90*d.* In average dispensing-fee per prescription Blackpool headed the list with 5.15*d.*, while Barrow was again the lowest with 4.90*d.* It was decided to make a second call upon Constituent Committees of 1*l.* 10*s.* per 1,000 prescriptions.

London.—A meeting of the Pharmaceutical Committee was held on July 12. The secretary reported that, as a result of the postal vote, the electors have expressed that the Pharmaceutical Committee shall hold office for a period of two years. The officers were then appointed for the ensuing year : Mr. J. Humphrey, *Chairman*; Mr. H. Skinner, *Vice-Chairman*; Mr. G. A. Tocher, *Secretary*. Messrs. Wing, Barnard, and Keall were re-appointed to serve on the Hours of Service (Pharmacists) Sub-Committee, and Messrs. Melhuish, Barnard, and Keall were re-appointed to serve on the Pharmaceutical Service Sub-Committee. The report of the Central Checking Bureau for the month of April showed that the margin of error in pricing was 0.09 per cent. A letter was received from the Ministry of Health indicating that it is not necessary for doctors to mark prescriptions for tuberculous patients receiving domiciliary treatment. The secretary gave the following statistics :

March

Total value of accounts	18,961*l.* 16*s.*
Total number of scripts	411,168
Average cost per script	11·07*d.*
Total number of prescriptions	502,724
Av. cost per prescription	9·05*d.*

April

Total cost of prescriptions	17,793*l.* 14*s.* 5*d.*
Total number of prescriptions	365,572
Average ingredient cost	3·94*d.*
Average dispensing fee cost	5·59*d.*
Average total cost per prescription ...	9·43*d.*

It was decided that the next meeting should be held on September 20. After receiving the report of the representatives on the Pharmaceutical Service Sub-Committee the Committee took a serious view of the case of a chemist who was charged with careless and inaccurate dispensing (*C. & D.*, July 2, p. 59). The points revealed in this case were such that the Committee could not countenance in any way any such action as that taken by the chemist in question. The Committee understands that this case is now in the hands of the Ministry of Health.

Staffs.—A meeting of the Pharmaceutical Committee was held at Stafford on July 7. Messrs. Price, Perkin, and Mellor were co-opted as members, and officers were appointed as follows : Mr. Garland, *Chairman*; Mr. Jacks, *Vice-Chairman*; Mr. Fowke, Stafford, *Secretary*. Correspondence was dealt with, and the new Insurance dispensing terms considered and approved. The new regulations for dispensing in rural areas were noted. The report of the Checking Bureau for November, December, January, and February was received and approved. Various accounts were passed for payment.

Middlesex.—At a meeting of the Pharmaceutical Committee held on July 6, the report of the returning officer, Mr. Mallinson, was received, and showed that the following had been elected as members of the Committee : Messrs. Andrew, Bolton, Bright, Clement, Corrall, Duncan, Flood, Goode, Hall, Marns, Mason, Rigden, Sayers, Skinner, Weiss, and Williams. Mr. Herbert Skinner was re-elected *Chairman* and Mr. Andrew *Vice-Chairman*, Mr. Hugo Wolff *Secretary*, and Mr. John Humphrey *Assistant Secretary and Supervisor*. It was resolved that a vote of thanks to Messrs. Peake and Webster, who had retired from the Committee, should be recorded in the minutes. It was reported that the new issue of the Middlesex Formulary had now been circulated, and it is understood that Middlesex prescriptions are being priced in accordance with this Formulary. The draft annual report was submitted and approved. The Supervisor's report explained in detail how the new terms differed from those previously in force, and gave the following particulars respecting the March and April prescriptions :

	Total Cost	Scripts	Av. Cost	Prescriptions	Av. Cost
March ...	4,439*l.* 8*s.* 4*d.*	91,893	11.59*d.*	110,781	9.62*d.*
April ...	3,910*l.* 18*s.* 10*d.*	77,083	12.18*d.*	94,942	9.89*d.*

A glaring example of delay in payment for Ministry of Pensions prescriptions was receiving serious attention, and Middlesex chemists are asked to note that all communications regarding payments for such prescriptions should be addressed to the Commissioner of Medical Services, Ministry of Pensions, Burton Court, Chelsea. After discussion the report was formally adopted.

SCOTLAND

Aberdeen.—It is reported by the Finance and Medical Benefit Sub-Committee of the Aberdeen Burgh Insurance Committee that a letter was submitted from the Board of Health drawing attention to the high cost and frequency per person of prescribing by nine doctors in the area. A copy of the communication had been sent to the Panel Committee for their observations. A conference of representatives of the Panel, Pharmaceutical, and Insurance Committees reported that the expenditure on drugs and appliances in the area during 1920 amounted to 6,345*l.* 14*s.* 1*d.*, or approximately 1,047*l.* in excess of the amount credited to the Drug Fund for the year. It was indicated by the medical representatives that in their view Aberdeen's relatively high average of prescribing was due, to some extent, to the fact of the city being a University centre and to the close connection that exists between medical practitioners and the professors of medicine. Another factor in the situation is that most of the doctors referred to as having a high average of prescribing had been on military service, and were, therefore, not quite so conversant with the necessity for strict economy in drugs as other practitioners were. It was urged by the representatives of the chemists that the prescribing of certain doctors of tablespoonful doses of medicine tended to waste, whereas the medical representatives expressed the view that the larger doses were more economical in that the dispensing-fees did not amount to so much. After a full discussion of the situation it was decided that the medical representatives should submit a statement in writing, giving considered and definite reports on the general condition of the prescribing problem in Aberdeen; and an examination of the particular methods of prescribing of the doctors named in the communication from the Board of Health. The Sub-Committee also reported that a communication was submitted from the Scottish Board of Health, drawing the Committee's special attention to the prescribing of a doctor in the area of a large amount of cocaine in ointment. The Committee further reported that a communication was submitted from the Board of Health drawing the Committee's attention to the large amount of tincture of orange and cocaine ordered by one Insurance practitioner, and cocaine and soft paraffin ointment by another. The observations of the Panel Committee had been sought and obtained in these cases. After consideration the clerk was instructed again to communicate with the Panel Committee, indicating that, in the judgment of the Insurance Committee, it is desirable that a more definite opinion on the respective doctors' explanations should be given by the Panel Committee.

Association Affairs

Devon.—The annual meeting of the Devon Pharmaceutical Association was held at the Rougemont Hotel, Exeter, on July 7, Mr. P. F. Rowsell (President) in the chair. The report of the executive and the treasurer's financial statement (showing a balance in hand of 9*l.* 14*s.* 6*d.*) were adopted. The President, congratulating the association on its continued prosperity, noted that the membership during the year had increased from sixty to seventy-one. Mr. P. F. Rowsell was unanimously re-elected *President*; Mr. W. J. Shepperd (Barnstaple) was elected *Vice-President*; Mr. S. S. Brown (South Molton) *Treasurer*; and Mr. F. Southerden *Secretary*. Mr. D. Reid (Exeter) and Mr. J. Taylor (Torquay) were elected as *Auditors*. The future of local organisation was further discussed, and it was felt generally that whatever changes occurred the Devon organisation, consisting of a county association linking together five district associations, should be retained. The matter was, however, referred to the district associations for discussion and report to a meeting of the county association to be held in September. Mr. Shepperd reported as delegate to the British Pharmaceutical Conference at Scarborough, commenting particularly on points of general interest in the Science papers and on Mr. Skinner's paper on "Costing." Mr. Shepperd was thanked for his interesting report. Tea (by invitation of Evans, Gadd & Co., Ltd.) followed the meeting. The Benevolent Fund box yielded 3*l.* 17*s.* 8*d.*—A meeting of the local branch (No. 16) of the Retail Pharmacists' Union was held at Exeter on July 7. Mr. J. D. Turney (Plymouth) was elected *Chairman*, Mr. D. A. Evans (Bovey Tracey) *Vice-Chairman*, Mr. S. S. Brown (South Molton) *Treasurer*, and Mr. F. Southerden *Secretary*. The remaining members of the committee elected on an area basis were Messrs. Battershill (Barnstaple), Calkin (Salcombe), Foster (Cullompton), Hollows (Exmouth), March (Torquay), A. C. Milton (Exeter), Parsons (Axminster), and Mr. P. F. Rowsell. Further action in regard to certain unprofitable proprietaries was discussed, and the matter was ultimately adjourned pending the receipt of promised replies from proprietors.

Leicester.—The annual meeting of the Leicester and Leicestershire Pharmaceutical Association was held on July 6, when the reports of the various committees were read and approved. The treasurer's balance-sheet showed a substantial amount in hand for both the Employers' Section and the General Fund. Following the annual meeting an extraordinary general meeting was held to consider a resolution which had been previously circulated among the members :

That the Leicester and Leicestershire Pharmaceutical Association be hereby dissolved, and that its funds and equipment be handed over to the Leicester branch of the Pharmaceutical Society of Great Britain and the Leicester branch of the Retail Pharmacists' Union, if and when formed, in the following proportions: That, in dividing the effects of the association, goods paid for from the Employers' Section should be given to the local branch of the Retail Pharmacists' Union. Articles bought from the General Fund and required by the Retail Pharmacists' Union to be paid for from the R.P.U. branch fund. Two-thirds of the General Fund to be handed over to the Pharmaceutical Society's local branch, and one-third to the Retail Pharmacists' Union local branch. The whole of the Employers' Section funds to be transferred to the local branch of the R.P.U. That a committee of three be appointed to carry this resolution into effect, and to act as trustees of fund and equipment.

This was agreed to, and Mr. F. W. Goodess, Mr. F. G. Blockley, and Mr. F. H. Clark were appointed as trustees. Having dissolved the old association, the nucleus of the branch of the Pharmaceutical Society was formed, with Mr. F. W. Goodess *President*; Mr. A. E. Young *Vice-President*; Mr. F. G. Blockley *Treasurer*; and Mr. J. Barker *Secretary*. The following were elected as members of the local branch Council: Messrs. Avery, Croft, Fry, Hind, Hearnshaw, Marfitt, Martin (Loughborough), Marsh, Smith (Shepshed), Stiles, and Ward.—The meeting then resolved itself into a branch meeting of the Retail Pharmacists' Union, and the following were elected officers: Mr. F. W. Goodess *Chairman*; Mr. Hind *Vice-Chairman*; Mr. F. G. Blockley *Treasurer*; Mr. F. H. Clark *Secretary*; and Mr. Barker, Mr. Hearnshaw, Mr. Marfitt, Mr. Ward, Mr. Wilby, and Mr. Young as *Committee*. The following resolution was sent to the Executive of the R.P.U. :

That this meeting of the Leicester and Leicestershire branch of the Retail Pharmacists' Union, being of the opinion that the present general charges for dispensing are unremunerative, requests the committee of the R.P.U. to consider the advisability of publishing a schedule of minimum prices.

The association's window-dressing competition closed on June 30, and the prizes have been awarded as follows: *First prize*, Mr. W. Williamson, of Young & Sons, with the Kodak window, in which he secured 84.66 marks; *Second prize*, Mr. R. J. Dickson, at Mr. Marfitt's Hartington Road pharmacy, for a display of Indian liniment, for which he secured 81 marks; *Third prize*, Mr. F. W. Goodess, for his "Euthymol" window, for which he secured 77 marks. It is worthy of note that eleven entries secured between 70 and 76 marks. The judges were rather disappointed that only five more competitors entered this year over last, and they ask for a renewed interest in the competition, so that in the third year it may be keener than it was this year. A suggestion was adopted that the judges should intimate to the competitors when their windows do not secure 70 per cent. of marks. This will indicate when it is unnecessary to have a photograph taken of the window. The free criticism given to each display is a splendid training in the art of window-dressing, and cannot fail to be of great advantage to both employer and employee.

London (S.E.).—The annual meeting of the South-East London Chemists' Association was held at Maitland House, Greenwich, on July 5, Mr. W. C. Sayers (Vice-President) in the chair. Mr. W. Ralph (treasurer) read his annual report, which showed that the balance of last year was increased by twelve guineas. In moving the adoption of the report, Mr. Happold suggested that five guineas should be forwarded to the Benevolent Fund, which was agreed to unanimously. The assistant secretary then read the secretary's report, which dealt with the business and social events of the past year. It was agreed to arrange a meeting in New Cross or Peckham to discuss the Dangerous Drugs Act. The Committee and ward officers were re-elected *en bloc*. The Vice-Presidents elected were Messrs. W. C. Sayers, H. S. Foster, and — Tucker. The meeting closed with a hearty vote of thanks to the retiring President, Mr. C. H. Siddle.—At the committee meeting later Mr. J. Milner was elected *President*, Mr. T. W. Cleave *Secretary*, and Mr. P. Turner *Social Secretary*. It was left to a committee to arrange a charabanc outing to Tunbridge Wells during early September, if a sufficient number of promises are obtained.

Sheffield.—At a meeting of the Sheffield Pharmaceutical and Chemical Society, Mr. A. Knowles, Woodseats, was elected *President*; Messrs. H. Antcliffe and H. Bown *Vice-Presidents*; Mr. H. Antcliffe *Treasurer*; Mr. H. B. Hammond, 19 Haymarket, *Hon. Secretary*; Messrs. G. R. Airey and S. Furnival *Auditors*; and Mrs. Gregory *Librarian*. Mr. G. F. Leighton, Broomhill, who was the "runner-up" at the recent election, was co-opted a member of Council in the place of Mr. Rowland Dixon, who was unable to serve. The congratulations of the Society were offered to Mr. Bernard Ellis, barrister-at-law, who is an old member of the Council, on his having obtained the LL.B.

Staffs.—A meeting of the committee of the Staffordshire Pharmacists' Association was held at Stafford on July 7. The question of a branch of the Retail Pharmacists' Union for Staffordshire was discussed, and brought forth various views, the consensus of opinion being strongly in favour of a branch of the Union being formed for Staffordshire as a county. The advocates of the larger organisation suggested that the apparent failure of the county associations is due mainly to defective organisation. It was suggested that an energetic secretary should be appointed, and that he be well paid, also that meetings should be held at various centres, and that

intercourse between members in different districts should be encouraged. The secretary was instructed to find out the opinions of the other associations. Circular "C.L. 101" from the Pharmaceutical Society was then discussed. It was held strongly that the county association is necessary to the welfare of pharmacy, and that in the interests of the pharmacists themselves it should be retained. A suggestion was made that members of all associations in Staffordshire should be co-opted at a reduced fee, to be collected by the various associations and remitted to the county secretary. After further discussion, it was moved and carried that a resolution be sent to headquarters that "subscription to the Pharmaceutical Society of Great Britain should include subscription to the local organisation of the Society, which should be forwarded by the Society to the local secretary." A sub-committee was appointed to arrange for a dinner to be given by the county association to Mr. Garland and Mr. Gibson at Wolverhampton in the autumn. The President of the Society and the Mayor of Wolverhampton to be invited to be present.

Warwickshire.—A meeting of the Warwickshire Pharmaceutical Association was held at Leamington on July 7, Mr. Hutton in the chair. A letter was read from Sir W. Glyn-Jones, in reply to a resolution of the Association as to the action of the Pharmaceutical Society in reference to the Dangerous Drugs Act Regulations. It was decided to communicate with the Retail Pharmacists' Union as to what further action should be taken. The secretary drew attention to the fact that the membership had decreased, presumably owing to the increased subscription (to 10*s.*), and it was decided to make a special appeal to pharmacists in the area who had discontinued their membership. A sub-committee was formed to go further into the matter of a retail price-list, the present arrangement not being quite satisfactory. A cordial invitation was given to the West Midlands Federation to hold their October meeting in Leamington as the guests of the Association. The Pharmaceutical Society's circular and correspondence as to local organisation were discussed, and it was decided not to take any action at present, but to carry on the Association on independent lines as at present. A suggestion that the Association should become a county branch of the Retail Pharmacists' Union was also deferred, the desire being to encourage town branches rather than county areas.

New Books

Annales de la Drogue et de ses Dérivés. No. 32. Pp. 35. April 1921. Michel, Laurent, Guigue & Co., Paris. [We are indebted to many of the large manufacturing houses for valuable scientific contributions, in which the observations made in their laboratories are made available. No 32 of the "Annual Reports on Drugs," issued by the well-known French house of Michel, Laurent, Guigue & Co., is devoted to an exhaustive consideration of buchu, from which we gather that the first plants of *Barosma crenata* reached Great Britain from the Cape in 1774, while Reece in 1821, and later McDowell in 1823, were the first to introduce its use in the treatment of diseases of the urinary passages. The largest consumers of this drug are the United States, to which half the production is exported. Between 1910 and 1919, imports of buchu into the United States averaged 49.981 kilograms annually, representing a value of $95,547. The next note deals with the tannin-containing plants found in Morocco, and refers to the uses of Takaout, a product obtained from *Tamarix articulata*, and used locally for tanning, while Tizra (*Rhus pentaphylla*) is used by the natives for dyeing wool a yellow colour by the simple process of boiling the wool with the green leaves. Abstracts of articles from other journals are also included, mention being made of the note which appeared in THE CHEMIST AND DRUGGIST, December 4, 1920, on the occurrence of adulterated saffron in the United States. A review of recent works on drugs, among which figures Prof. Greenish's "Text Book of Materia Medica," forms the conclusion of this valuable and interesting publication.]

"Bloc-Adresses." Parfumerie, Savonnerie Fine, Coiffure, Articles de Toilette. 9½ in. × 6 in. Pp. 152. 15fr. E. Chabanier, 41 Rue Vivienne, Paris. [A directory of business houses associated with the perfumery and allied trades. The work is divided into three parts. In the first part the names and addresses of French and other firms (British, German, Italian, Dutch, Swiss, Spanish, etc.) supplying materials and appliances used in the manufacture of toilet articles are given under their respective headings, such as: Alum, Celluloid Boxes, Corks, Oil of Peppermint, Synthetic Perfumes, Tortoiseshell, Calcium Carbonate, Waxes, Labels, Paper, etc. The second part gives in the same arrangement a list of manufacturers of toilet articles and perfumery, under such groups as: Brilliantine, Tooth-brushes, Eau de Cologne, Hair-pins, Manicure Supplies, Powder-puffs, Hair-washes, etc. The third part includes the names and addresses of importers and exporters of toilet articles, and a list of the shops selling toilet articles, in France and abroad, followed by a list of hairdressers for men, and for women, in France.]

Bunting, J. H.—*Is Trade Unionism Sound?* 8½ in. × 5 in. Pp. 98. 6*s.* net. Benn Bros., Ltd. 8 Bouverie Street, London, E.C. 4. [The author of this book puts its title into the form of an interrogation, and the publishers assure us that it is not an attack on the trade-union movement, but its argument throughout is that, as regards what the writer considers their main object, the raising of the price of labour by collective bargaining, the policy of trade unions is not sound; and that so far as this policy has succeeded the unions have been injurious to the true interests of labour. This collective bargaining, we are told, forces up the price of commodities to such an extent that the labourer gets no real advantage from his increased wages; these high prices, again, lessen demand, and so cause unemployment; this lessens production (as, indeed, do high prices themselves); this tends ultimately to make labour cheap and money dear, to the injury of the worker and the benefit of the capitalist, for the former has more competition from his own class to contend with, and the latter gets a higher rate of interest on his money. This latter fact limits the monetary supply upon which production depends, since the capitalist, instead of putting his money into industrial schemes, treats it as a store of wealth on which he can live at his own good pleasure. This is the chief reason why, of our total national income, labour receives only 8*s.* while capital receives 10*s.* in the £, a fact Mr. Bunting brings forward in proof of the comparative failure of trade-union policy. He admits that the unions have done some good, as, for instance, in fixing minimum prices; but even in this respect they have not succeeded entirely, since the minimum is also too frequently the maximum price, and the flat rate for wages, irrespective of ability in the workman, is a great evil. The new proposal by which he would supersede trade unions—the establishment of a Government labour information scheme, managed by the labour exchanges—seems to us totally inadequate, even if supplemented by the altruism which Mr. Bunting enjoins upon both employers and workers. These altruistic considerations are out of place in an economic argument; admirable as Mr. Bunting's sentiments are, they hardly come within the sphere of practical politics. That they are addressed to both parties in the struggle between labour and capital is a sign of grace in him, but his reiterated talk of collective bargaining "at other people's expense" seems to show an unconscious bias against labour, and his contention that the labourer would increase his total wages by accepting a lower money-wage savours strongly of paradox. While recognising his good intentions and his skill in handling his case, we cannot say that his argument is convincing.]

Hibbert, L. J.—*A Manual of Photographic Technique.* 6 in. × 3⅞ in. Pp. 118. 2*s.* 6*d.* Sir Isaac Pitman & Sons, Ltd., Parker Street, Kingsway, W.C. 2. [A handy book describing photographic apparatus, materials, and the details of procedure. It is very well written and the illustrations are to the point. A useful book for sale by photographic chemists.]

Summer Outings

Halifax Happy

Members of Halifax Chemists' Association had an enjoyable motor-charabanc outing on July 7, going by way of Skipton to Stonyhurst College, tea being served at Higher Hodder Bridge Hotel on the way. After inspecting the college, the return was made via Whalley, Padiham, and Burnley. The weather was ideal, the scenery was delightful all the way, and the happiness of the party was undisturbed from beginning to end.

In the New Forest

The members of the Southampton Pharmaceutical Association and their friends to the number of fifty had their annual outing at the New Forest Hotel, Lyndhurst Road, on July 6. Cricket, tennis, and bowls amused the company until tea-time. After tea, a vote of thanks was proposed to the organisers of the outing, and briefly acknowledged. The company then returned to their amusements until the shades of night fell, when all made their way home with regret for the too early ending of a most enjoyable time spent in the midst of ideal surroundings.

Birmingham to Bidford

The summer excursion of the Birmingham Pharmaceutical Association was held on July 6, when nearly ninety members and friends paid a visit to Bidford-on-Avon. About sixty travelled to and from Bidford in motor charabancs, the remainder travelling in private cars and by cycle. The weather was all that could be desired, and a most enjoyable time was spent at the favourite resort on the banks of the Avon. The party had high tea at Mr. Holland's Pleasure Grounds, at which Mr. J. W. Atkinson presided. After tea a steam-launch trip was taken on the river to Cleeve Mill and back. There were also boating parties, fishing, and various games. The return journey began at 8.15 P.M. Mr. R. E. Cooper made a collection for the Benevolent Fund, which realised 12*s*.

A Visit to Oxford

The Ealing Pharmacists' Association had an outing by charabancs, on July 10, to Oxford and the Thames Valley. The first stop was made at Stokenchurch, and here it was that the excursionists got some idea of the water scarcity caused by the drought. In this village the rain-water supply is practically finished; there is only one well, which is 360 ft. deep, and it is in constant use from morning till night. Other supplies are obtained by road from a stream four miles away, and the water is retailed at 1*d*. per bucketful. Oxford was reached at about one o'clock, and the party had lunch at Buol's Restaurant. Mr. Roberts proposed a vote of thanks to the President (Mr. Marns) for the way he had organised and carried out the outing. Leaving Oxford at three o'clock, Henley was reached in plenty of time to allow the members to explore the river before tea at "The Catherine Wheel" Hotel. Maidenhead was the next stop, and Boulter's Lock was seen at its best. The drive from Maidenhead in the cool of the evening was much enjoyed. Ealing was reached at 10.30 P.M.

Visit to Maws' Recreation Ground

In glorious weather the members and their friends of the Thames Valley, Ealing, and Croydon Pharmacists' Associations paid a visit to Maws' Sports Ground at Barnet on July 13. Mr. Alfred Higgs, J.P., arranged for five charabancs to convey the party. Leaving Kingston at 2 P.M., members joined the cars at Twickenham, Richmond, and Ealing, arriving at Barnet at 4 P.M. The members of the Croydon Association also travelled by charabanc. The directors and staff of S. Maw, Son & Sons, Ltd., were awaiting to receive the party. An excellent tea was provided on arrival, and Dr. Maw, welcoming the party in the name of the directors, said that the company had decided to offer a Sports Challenge Cup, to be competed for next year by the associations in the London area. The arrangements were well in hand, and particulars would be issued shortly. After tea games were played, including croquet, tennis, golf, bowls, and cricket, finishing up with musical chairs. The prizes were presented to the successful competitors by Mrs. Porter. A vote of thanks was proposed by Mr. Marns (Ealing) and seconded by Mr. F. J. Plomley (Kingston) to the company for the entertainment and to Mrs. Porter for distributing the prizes. Thames Valley took five, Ealing four, and Croydon three prizes.

Manchester Goes to Buxton

The annual picnic of the Manchester Pharmaceutical Association took place on July 6 to Buxton. A party of over fifty chemists, with their wives and friends, left Aytoun Street, Piccadilly, by motor-charabancs for Buxton. After a most enjoyable journey with only one stop, six miles outside Buxton, to enable Mr. J. Cleworth to take photographs, the motors arrived in Buxton in good time. Mr. Robert Wright, Ph.C., Buxton, with several local *confrères*, met the party, and by permission of the Royal Devonshire Hospital authorities were conducted through the building. All the special features of this wonderful hospital were explained and greatly appreciated by the party. At 4.15 the party adjourned to the

Photo.] At Buxton. [*Cleworth.*

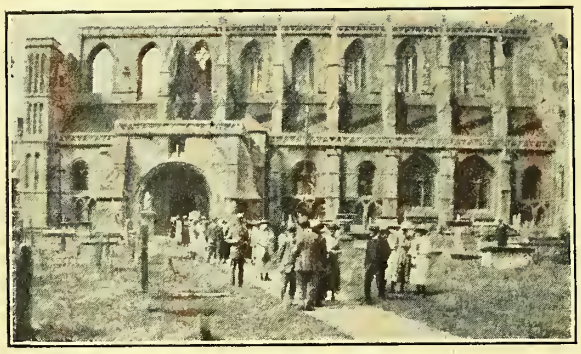
The three seated (from left to right) are Mr. Johnstone, Mr. T. Eastwood, and Mr. R. Wright, Ph.C.

Palace Hotel, Buxton, where about seventy people sat down to high tea. Mr. T. Eastwood, President of the Manchester Pharmaceutical Association, thanked the Buxton pharmacists for their warm reception. He also referred to the presence of Mr. Johnstone, who had come from his home at Whaley Bridge to be with them that afternoon. Mr. Johnstone was with J. Woolley, Sons & Co., Ltd. (Manchester), for over fifty years, is now living in retirement, and looks remarkably well in spite of his advanced years. After tea the group photograph of the party (reproduced above) was taken by Mr. J. Cleworth, after which Mr. Robert Wright took a large party to see the famous baths. At 8.10 the motors left Buxton for Manchester, the route being over the moors past the Cat and Fiddle and on through Macclesfield. On arriving at Manchester the verdict of everyone was, "One of the best picnics ever organised by the M.P.A."

Charabancs to Cirencester

The annual outing of the Bath Pharmaceutical Association took place on July 7, the trip being by charabanc to Malmesbury, Cirencester, and Stroud. The members and friends numbered sixty, and included Messrs. D. J. Williams (President), H. C. Broad and R. H. Moore (Vice-Presidents), P. J. Thompson and W. J. Hallett (hon. secretaries), D. A. Evans, C. Jenkin, G. T. Kingston, E. W. Loveless, A. C. Olds, Broad (junior), W. Hawes, E. Williams, Malaband, and W. H. Hallett. On the outward journey a halt was called at Malmesbury, where the historic Abbey was inspected and

photographed. From there the trip was continued to Cirencester, where high tea was taken at the King's Head Hotel, the President (Mr. Williams) in the chair. After tea, a hearty welcome was given to Mr. Waldron Griffiths,



At Malmesbury Abbey.

Ph.C., Mr. Harold Smith, Mr. W. C. T. Paternoster, and Mr. C. Garnet Trinder, representing the local pharmacists, Mr. Williams mentioning that there was a probability of the British Pharmaceutical Conference visiting Bath in 1923. Mr. Waldron Griffiths, in his reply, said these gatherings did a great deal of good in bringing pharmacists of different districts together to discuss and make known to each other their wants and aspirations, so that pharmacists could pull together in those questions likely to affect pharmacy in the future. He hoped that he would always see pharmacy progressing in every possible way, as pharmacy is a service of great public utility. Pharmacy must, like everything else, go through a gigantic change, owing to the general upset of society. They are at the end of an old age, and at the commencement of a new one, and it is to the young pharmacists that they must look for progress in the right direction. After visiting Earl Bathurst's park and the parish church, the return journey was made, via Chalford and Stroud, to Bath. The outing was in all respects a great success.

Westminster Wisdom

By the "C. & D." Parliamentary Representative

Safeguarding of Industries Bill.

The Committee stage was continued in the House of Commons on July 12. The discussion on Clause 4, dealing with the remission and repayment of duty in certain cases, raised the question of what is "raw" material, as in some industries partially manufactured articles are the raw material employed. The Government promised to draft a sub-section which would meet the objections raised. Clauses 5 and 6 were passed without discussion, and on Clause 7, dealing with the constitution of the committee which will decide questions of liability which will arise under the Act, it was decided that the committee should sit in public.

Reparation Dyes.

Sir William Barton, on July 13, asked the President of the Board of Trade if he can state what is the weight of colouring matter and synthetic dyestuffs received from Germany under the reparation clauses of the Treaty of Versailles up to June 30, and at what value these were credited to Germany; and will he say what is the weight distributed to consumers and the total amount charged therefor.

Sir William Mitchell-Thomson replied: The total quantity of synthetic dyestuffs and colouring matter received from Germany under the reparation clauses of the Treaty of Versailles up to June 30 was 4,053 tons; the value credited to Germany up to March 31, beyond which date figures have not yet been furnished by the Reparation Commission, was approximately 110 million paper marks, to which must be added cost of carriage, storage, and distribution. The total sales, including those to India and the Dominions, amount to about 1,068 tons, of a value of 710,643*l.*

British Cellulose Co., Ltd.

In reply to a question in the House of Commons on July 11, Mr. Young, Financial Secretary to the Treasury, said that the two directors of the British Cellulose Co., Ltd., representing the Government are Sir William Alexander and Sir Philip Henriques. The first of these gentlemen has wide commercial experience and is also a trained chemist, and the second formerly acted as an Assistant Financial Secretary to the Ministry of Munitions. With regard to the output of the company, nine tons per day will ultimately be made when market conditions permit. The borrowing of the additional sum mentioned in the question was agreed to by the Government directors in common with their colleagues on the board, and was effected for the general purposes of the company. The plant is not working to full capacity, but many other commercial undertakings are in the same position at present. The question of further issues is a matter which rests with the board of directors generally, but at present there is no suggestion of this arising. The fees of the two directors payable by the company are payable into the Exchequer, and the only salary they receive—namely, 500*l.* each—is paid direct by the Government. The question as to 6*d.* shares does not apply to this company.

Clinical Thermometers Bill.

A Bill to regulate the sale of clinical thermometers was introduced into the House of Commons on July 11 by Sir Alfred Mond, Minister of Health. The second reading was on July 14. The following is the memorandum attached to the Bill: The administration of an Order made by the Ministry of Munitions requiring that clinical thermometers should be tested and marked before sale, was transferred to the Board of Trade in June 1919, and the Order was discontinued as from April 1, 1921, by virtue of the Ministry of Munitions (Cessation) Order, 1921. The present Bill proposes to place the requirement on a permanent statutory basis. The testing of clinical thermometers under the Bill, if passed, will be undertaken by the National Physical Laboratory, which performed all the testing required during the war under the war-time regulation mentioned above. As the fees charged by the National Physical Laboratory for testing clinical thermometers will cover the cost, the Bill will not result in any charge upon public funds.

The text of the Bill is as follows:

Regulation of Sale of Clinical Thermometers.—1.—(1) No person shall sell, offer for sale, supply, or deliver any clinical thermometer unless the thermometer has been tested, approved, and marked in accordance with regulations made under this section by the Board of Trade:

Provided that this section shall not, unless the Board of Trade by Order directs to the contrary, apply to an offer to sell a clinical thermometer for export from the United Kingdom, or to the sale, supply, or delivery of a clinical thermometer if the thermometer is intended to be and is thereafter exported from the United Kingdom.

(2) If any person acts in contravention of this Act he shall be liable on summary conviction in respect of each offence to a fine not exceeding ten pounds.

(3) Anything authorised under this Act to be done by the Board of Trade may be done by the President or a secretary or assistant secretary of the Board or by any person authorised in that behalf by the President of the Board.

Short Title and Extent.—2.—(1) This Act may be cited as the Clinical Thermometers Act, 1921.

(2) This Act shall, for the purpose of section six of the Government of Ireland Act, 1920, be deemed to be an Act passed before the appointed day.

The Administrative Council of the General Association of French Pharmacists proposes to agitate for a modification of the Turnover Tax to limit pharmacists' payments to 1.10 fr. per cent. on their actual profits—*i.e.*, after deduction of patent-medicine tax, excise duties, etc.

Marriages

BONNY—BEST.—At the Wesleyan Methodist Church, Streatham, London, S.W., on July 2, by the Rev. John Grimshaw, Charles Walter Bonny (Eucryl, Ltd., Shirley, Southampton), only son of Mr. and Mrs. Charles Bonny, Streatham, S.W., to Dorothy Elizabeth, third daughter of Mr. and Mrs. H. W. Best, Fulham, S.W.

HIGGS—DAVIES.—At Holy Trinity Church, Colchester, on July 6, Stewart Clive Higgs, chemist and druggist, second son of Mr. Alfred Higgs, J.P., chemist and druggist, Kingston-on-Thames, to Gwendolynne May, younger daughter of Mrs. S. Davies, Colchester, and niece of Mr. A. W. Nunn, F.C.S., Ph.C., one of the additional examiners of the Pharmaceutical Society.

LAWTON—CLARKE.—At St. Emmanuel's Church, Leeds, on July 6, Mr. Selwyn Lawton, chemist and druggist, York, to Miss Margaret Clarke, Staveley, Westmorland.

MOFFATT—THOMPSON. — At Ballyreagh Presbyterian Church, on June 28, by the Rev. J. Sloane, David Moffatt, L.P.S.I., son of Mr. W. Moffatt, Canningstown, Bailieborough, to Margaret E. (Daisy), third daughter of Mr. W. Thompson, Ballygawley, co. Tyrone.

Deaths

BARTLETT.—At 43 Preston Road, Leytonstone, London, E., on July 1, Mr. J. W. Bartlett (late of Edwards Bros., druggists' sundriesmen, St. Paul's Road, Canonbury, N.), aged fifty-four.

CARTER.—At Cross Street, Oswestry, on July 5, Mr. William Carter, chemist and druggist, aged sixty-two. Mr. Carter had been in failing health for the last eighteen months. He was educated at Taunton Wesleyan College, and in 1885 he took over the pharmacy of the late Mr. Weaver, of Oswestry, in addition to which he carried on a mineral-water business. He is survived by a widow and one son, who is senior lecturer in chemistry at Birmingham University.

DUPRÉ.—In the Island of Jersey, recently, Mr. J. J. Dupré, aged seventy-six. Mr. Dupré was the son-in-law of Mr. G. Luce, the founder of Luce's Eau de Cologne Co., and was connected with the business until about six years ago, when he retired from the position of chairman. He leaves two sons, both of whom are directors of the company, one managing the Channel Islands trade and the other confining his interests to the export trade at Southampton.

LE SUEUR.—At St. Thomas's Hospital, London, on July 9, Mr. Henry Rondel Le Sueur, D.Sc. Mr. Le Sueur was lecturer in chemistry at the hospital medical school, and a former examiner to the Pharmaceutical Society.

MIDDLETON.—At the Pietermaritzburg Sanatorium, Natal, on June 13, suddenly, from heart-failure, Mr. William Middleton, chemist and druggist, Pietermaritzburg, aged seventy-three. Mr. Middleton was born at Middlesbrough-on-Tees, and went to Natal about forty years ago as manager of the Medical Hall, Pietermaritzburk, then under Dr. Charles Gordon. Eventually he took over the business, and for many years past devoted his energies to its management.

REID.—At 19A Jerdan Place, Walham Green, London, S.W. 6, on July 2, suddenly, Mr. J. Kerr Reid, chemist and druggist (see p. 38).

SANSOM.—At 75 Duke Street, Barrow-in-Furness, on July 7, Mr. Maurice Sansom, Ph.C., aged fifty (see p. 38).

SAVAGE.—At 26 Devonshire Place, London, W., on July 5, Sir George Henry Savage, M.D., F.R.C.P., aged seventy-eight. The son of the late Mr. W. D. Savage, one of the founders of the Pharmaceutical Society, and brother of Mr. W. W. Savage, Ph.C., Brighton, Sir George, who was for many years a leading authority on psychological medicine, received his medical training at Guy's Hospital, where he became house surgeon. He was afterwards physician-superintendent at the Bethlem Royal Hospital. It was during this period that he took up the study of mental disease. He was President of various specialist medical associations, and in 1912, in which year he was knighted, was appointed the first President of the Psychiatry section of the Royal Society of Medicine. He wrote extensively, his "Manual on Insanity" being authoritative.

SHEPHARD.—At 4 Greyhound Road, Hammersmith, London, W., recently, Mr. William Arthur Shephard, Ph.C., aged sixty-one. Mr. Shephard, whose death was due to a paralytic seizure, was formerly in business in King Street, Hammersmith. He was a native of Ripley, Derbyshire, and passed the Qualifying examination in 1881 and the Major in the following year.

WILKIE.—At St. Aidans, Galashiels, on July 9, Margaret, the widow of the late Adam L. Wilkie, chemist and druggist.

Personalities

MR. E. A. ONYON, C.C., chemist and druggist, Eye, has been appointed a governor of the local grammar school.

AT the annual general meeting of the Roumanian Chemical Society, Mr. Jules Cofman-Nicoresti was elected corresponding member for England.

MR. RICHARD C. ADE, 8 Harp Lane, London, E.C. 3, who has been representing E. Merck, Darmstadt, informs us that he is leaving the country at the request of the authorities.

MR. C. E. HOWICK has been appointed London representative of the glassware department of John Bell & Croyden, Ltd., manufacturing chemists, Wigmore Street, London, W. 1.

MR. WILLIE LLEWELLYN, chemist and druggist, Tonypandy, who has recently won, for the third time, the Crawshay Bailey bowl of the Rhondda Golf Club, of which he is captain, was the pioneer of golf in the district. Mr. Llewellyn is a sportsman with an international reputation, having represented the Principality at Rugby football on twenty-one occasions, and was a member of the team that represented Great Britain in the Australasian tour of 1904.

Wills

MR. MATTHEW HENRY GIBSON, chemist and druggist, 53 Scalpcliff Road, Burton-on-Trent, who died on May 2, left estate of the gross value of 4,022*l.* 18*s.* 8*d.*, with net personalty 1,890*l.* 12*s.* 2*d.*

MR. HARRY EDWIN SLINN, chemist and druggist, 118 London Road and 10 Northgate Street, Gloucester, who died on March 4, left estate of the gross value of 4,296*l.* 3*s.* 6*d.*, with net personalty 892*l.*

DR. WILLIAM ODLING, F.R.S., Ph.D., 15 Norham Gardens, Oxford, who died on February 17, left estate of the value of 47,587*l.* 18*s.* 7*d.* The whole of the property is left to his sons, William Alfred and Marmaduke, his son William Alfred bringing into account the sum of 10,000*l.*

MR. ALDERMAN HENRY DUNN, J.P., Ph.C., 63 Kirkgate Shipley, who died on May 26, left estate of the gross value of 3,014*l.* 14*s.* 4*d.*, with net personalty 2,984*l.* 18*s.* 9*d.* Probate of his will has been granted to his son, Wilfred Dunn.

MR. JOHN WILLIAM DEAKIN, J.P., chemist and druggist, Braeside, Chester Road, Northwich, who died on April 15, left estate of the gross value of 6,582*l.* 0*s.* 11*d.*, with net personalty 1,138*l.* 17*s.* Probate of his will dated March 10, 1921, has been granted to his widow, Mrs. Margaret Verdin Deakin, of the above address, and Mr. Walter Woodyatt Deakin, chemist, The Cross, Chowne, near Chesterfield. The testator left his household effects to his wife, and the residue of his estate in trust for her during widowhood, with remainder to his children in equal shares.

Trade Notes

GOODALL, BACKHOUSE & Co., Leeds, commence a series of photographs of their premises. No. 1 deals with the analytical laboratory.

MIRROR NAIL STONES.—Solport Bros., Ltd., 184-190 Goswell Road, London, E.C. 1, announce a reduction in price of their mirror nail stones in aluminium containers.

CULTURE MEDIA, freshly prepared and standardised weekly, are supplied in tube or in bulk by the Laboratories of Pathology and Public Health, 6 Harley Street, London, W. 1.

RUBBER BATHING-CAPS.—Popular varieties of rubber bathing-caps are illustrated on the page of William Toogood, Ltd., 77 Southwark Street, London, S.E. 1. The prices are given.

CUPIDOL, for preventing mosquito- and gnat-bites, is one of the specialities of George Holliday & Co., Ltd., for which Evans Sons Lescher & Webb, Ltd., are the sole wholesale distributors.

EAU-DE-COLOGNE CREAM, packed in aluminium boxes to retail at 8*d.*, is referred to in the advertisement in this issue of Neville's (Paris), Ltd., 16 Woodstock Street, Oxford Street, London, W. 1.

ELECTRICAL GOODS.—Archibald J. Wright, Ltd., manufacturing electricians, 395 City Road, London, E.C. 1, have just published a preliminary post-war price-list of electrical goods which the company manufacture. Copies are supplied on application.

RUSHING FOR DRINKS.—The extremely hot weather is responsible for an exceptional demand for cool beverages and the means of producing these. The Greenwich Lemonade Co., which is advertising in this issue G.O. lemonade and G.O. effervescing ginger-beer powders, ask us to state that all orders are being executed in rotation and without any unavoidable delay.

"SUMMER NIGHT" PERFUME.—This new perfume, to which reference has been made in the *C. & D.*, is a delightful perfume packed in oval stoppered bottles in cases that exactly fit the bottle. It is a particularly appropriate perfume for this season of the year and should sell well in good-class businesses. The perfume is a production of Price's Patent Candle Co., Ltd., Battersea, London, S.W. 11.

AYRTON'S LEMONADE TABLETS.—Ayrton, Saunders & Co., Ltd., Liverpool, pack their lemonade tablets in tins containing half-a-dozen. One tablet placed in a tumbler of water dissolves with effervescence and forms a well-tasting lemonade. Where two gross of tins are ordered by telegraph the company will deduct the cost of the wire—an offer which should encourage prompt orders whilst the hot-weather demands last.

ESS VIOTTO SOAP.—H. Bronnley & Co., Ltd., Acton Vale, Acton, London, W. 3, send us sample boxes of Ess Viotto soap, which the company has recently introduced. The soap is nicely perfumed, and is packed in boxes tastefully decorated in yellow, blue, and gold. There are two sizes of the soap—the guests', with half-a-dozen cakes in a box, retailing at 2*s.* 6*d.*, and the bath size, three in a box, at 2*s.* per tablet. The special window- and counter-show offer made in the *C. & D.*, June 25, holds good until August 31, the expiry date having been extended.

LUCE'S EAU DE COLOGNE.—During the visit of the King and Queen to the Channel Islands the opportunity was taken by Luce's Eau de Cologne, Ltd., Jersey, to present the Queen with a gift of a thousand bottles of Eau de Cologne, which her Majesty is distributing to the London hospitals. Samples of the company's products were also submitted to the Queen on board the Royal yacht, these including "Toujours Loyale," a perfume especially made to commemorate the Royal visit. It is interesting to note that on the walls of Messrs. Luce's factory in Jersey hangs an old oil painting depicting the landing in Jersey of Queen Victoria and her Consort in the year 1846, and this picture was hung at Government House during the Royal visit.

Trade-marks Applied for

The figures in parentheses refer to the classes in which the marks are grouped, for a list of which, with particulars as to registration, see "The Chemist and Druggist Diary," 1921, p. 300.

(*From the "Trade-marks Journal," June 29, 1921.*)

"SEMPROLAX"; for medicinal chemicals (3). By the Wm. Browning Co., Ltd., Albert Street, Camden Town, London, N.W. 1. 402,859. (Associated.)

"PROPIDON," for pharmaceutical products (3); "GARDENAL," for sedatives (3). By Les Etablissements Poulenc Frères, 92 Rue Vieille du Temple, Paris. 412,225/226.

"WYNOT"; for medicinal chemicals (3). By J. Watson & Sons, Ltd., Whitehall Road, Leeds. 412,527. (Associated.)

"ALCOFRIC"; for all goods (3). By H. Green, 83 Pall Mall, London, S.W. 1. 414,734.

"KIJJA"; for medicinal chemicals (3) and for perfumery, etc. (48). By Tokalon, Ltd., 212-214 Great Portland Street, London, W. 1. 414,867/868. (Associated.)

"NOTOIDS"; for medicated pastilles (3). By Smith & Co., 132 Borough High Street, London, S.E. 1. 414,871.

"EUSANGLO"; for medicinal chemicals (3). By Sangers, 42A Hampstead Road, London, N.W. 1. 414,890.

"AMALAH" and symbolical figure device; for goods (42). By Dr. Eder & Co., 4 Küstrinerstrasse, Berlin-Halensee, Germany. 382,036/037. (Associated.)

"CITREX"; for food substances (42) and for goods (43). By W. J. Bush & Co., Ltd., 28 Ash Grove, Hackney, London, E. 8. 414,116/117. (Associated.)

"ANGLOL"; for perfumery, etc. (48). By Anglodol, Ltd., West Africa House, Kingsway, London, W.C. 2. 412,605.

"SUNONA"; for toilet preparations (48). By A. Marshall, 123 Great Victoria Street, Belfast. 413,363.

"YELLOW GOD"; for perfumery, etc. (48). By the Standard Tablet Co., Ltd., Goldstone Chemical Works, Hove, Sussex. 413,422.

"KAYU-CHINANA"; for perfumery, etc. (48). By E. Rimmel, Ltd., 1A Darnley Road, Hackney, London, E. 9. 414,495.

"DOLCEVEL"; for perfumery, etc (48). By J. S. Sumner, 327 Brighton Road, South Croydon. 414,893.

"IOTHOL"; for perfumery, etc. (48). By Gibson's Medical Hall, Ltd., 55 Donegall Place, Belfast. 414,974.

"CARMA"; for bottle-sealing compositions (50). By Titanine, Ltd., Booth Road, Colindeep Lane, The Hyde, Hendon, N.W. 9. 413,931.

Information Department

INFORMATION WANTED

M/117. Acetone scalp lotion
M/147. Atiam
M/117. Chrysaro naphthol ointment
E/137. Electric corn pencils
S/117. Fardulhays cockroach powder
M/117. Hairometer
M/147. Ivory dust
B/87. Liebig's chemical food (actual makers)
P/137. "Newcomen" brand cocoanut-oil pomade
S/57. Parton's pills
K/127. Rubber set brushes
M/147. Sundown cream

INFORMATION SUPPLIED

Bob Martin's dog powders, R/127
Cachet apparatus, A/97
Cloth balls, S/117
Corona perfume, O/137
"Cremolin," H/127
Dentozone, S/117
Dermol soap, O/137
Duvals toilet specialities, O/137
Elliman's embrocation, W/117
Ellon's crystal balm, A/296
Flowers of sulphur, D/137
Hæmaholoids, BB/17
Hamburg tea, L/127
Hooker's malted milk, B/127
Hooper's pills, L/137
Huxley's nerve vigor, T/137
Ienaline for dogs, L/87
Iodoform toilet soap, W/87
Iodolysin, H/26
"Kalos" liquorice juice, BP/117
"Klip-Klip" nail clippers, S/127
"Kuticool" for the hair, O/67
Lucien toilet specialities, O/137
McKenzie's smelling salts, F/306
Martin's pills, F/306
Newton Mason's cough linctus, L/276
Nisbet's specific, L/296
Nonspi toilet powders, O/137
Normyl, P/127
"Odol," L/306
Odol dentifrice, C/17
Offord truss, W/286
Oriza oil, E/117
Ovaltine, G/117
Pearsall's dental floss, S/67
Pinol, W/117
Purgen, adults, L/137
Pylitna, W/97
Red oxide of iron, P/97
Santonin, H/117
"Secto" insect powder, T/296
Silver nit-combs, S/147
Spirastic hosiery, J/137
Titania perfume, O/137
Transparent tissue, B/117
"Universal" razor and strop, H/67
Wadding, ET/137
"Zymol," E/137

Observations and Reflections

By Xrayser II.

Our Warmest Thanks

are due to the London County Pharmaceutical Association for its letter to the Council and the Retail Pharmacists' Union. It applied the much-needed stimulus to both, and opened the way by which alone we can hope to escape from the dilemma we are in. The co-ordination of the two bodies in each locality, even the provision for consultations of branches of the R.P.U. with local associations, which Mr. Rowsell and Mr. Melhuish respectively desire to see, cannot be arranged without a preliminary agreement at headquarters, and a conference between the two bodies is an obvious necessity. But something further is required if thorough co-ordination is aimed at. A permanent arrangement needs permanent supervision, and any scheme adopted should be under the direction of a joint standing committee. The matter which troubles the Devonshire committee will, I fear, not be disposed of even so. Co-ordination is not amalgamation. There will still be two local bodies, and many men will be members of both. The "multiplicity of meetings" is part of the price we have to pay for the Union, if, that is, we are to have a branch in every place, but I have already said that with local associations everywhere preparing the ground for action by the Union I see no need of this.

There is Nothing like Leather.

It is not surprising, therefore, that the British Medical Association should regard the Dangerous Drugs Act Regulations with favour on the strength of the clause which provides that chemists shall not supply "the drugs" except on a doctor's prescription. Except for this provision and those checking "the distribution of 'the drugs' from the manufacturer to the distributor" (rather a curious sentence, by the way) the Association still thinks the effect of the Regulations will not be commensurate with the trouble they will cause to doctors, chemists, and patients. The trouble due to the blessed cause itself doctors can, of course, afford to ignore; they will be well paid for theirs, the loss to the chemist does not concern them, the patient is their natural prey, and those who are not patients do not, in this connection, exist for them.

Miss Buchanan

must be congratulated on the result of her special effort for the Benevolent Fund, including that of the stall at the Chemists' Exhibition and the Ladies' Sewing Guild organised by Mrs. Skinner and Mrs. Downing for the North London Pharmaceutical Association. All's well that ends well; Miss Buchanan was probably not responsible for the project of spending 40*l*. on the erection and decoration of the stall (the ladies associated with her certainly were not), and the amount raised was a handsome return for the effort made.

Mr. Kellaway,

speaking in the House of Commons the other day, expressed a horror of bureaucracy. He said he would rather be governed by the devil than by a bureaucrat. I am inclined to say the same, but I cannot accept Mr. Kellaway's definition of a bureaucrat as complete or even correct so far as it goes. The bureaucrat is by no means possessed of all the virtues, or extraordinarily efficient, or absolutely incorruptible. He may be, and often is, simply a Jack in office, and bureaucracy itself is nothing else than government by officials, who may be good or may be bad, but in any case are, as governors, hateful to a free people. It is only of recent years that the notion of the possibility of such government entered the English mind. Carlyle, who is one of our earliest writers to use the word, speaks of "the Continental miscalled 'Bureaucracy.'" Ever since our Cabinet came into being it has been customary to choose as Parliamentary heads of Departments men who have no special knowledge of the work of the Departments they represent, which has had the effect of checking the tendency to bureaucracy. It is curious that the prayer "from all bureaucrats, good Lord, deliver us," should be uttered by a member of a Government that has done more than any of its predecessors to increase bureaucracy by weakening the connection between Parliament and the Departments.

"Jay Mack"

is a much cleverer man than I, but I doubt whether even he can prove with what motive the examinations criticised by "Truth" were made to yield the result they did, and it was to this point alone that my remark applied. One man may think the "67 per cent. were slain in the interest of those already in business," another, more charitably, that they were the victims of a mistaken regard for the public interest, but neither, unless he is omniscient, can really know, much less prove, that he is right. Except on this point I am in complete agreement with "Jay Mack," whose letter I warmly welcome. I am not sure that I do not go a little further than he with regard to the futility of the Qualifying examination as a test of competence for the ordinary work of a chemist and druggist. One of the very best assistants I ever had was "ploughed" seven or eight times, and finally gave up the attempt to pass, and I have seen three young men who had passed within a few weeks of the time fail to produce a satisfactory turpentine emulsion. The change in the examining body to which "Jay Mack" refers would not be accepted by an outsider as a guarantee of "absolute impartiality," but it does, no doubt, in some measure account for the greater stringency of the examination and its unfitness for the purpose for which our examinations were first instituted.

The "Westminster Gazette"

gives an example of "what is likely to happen when legislation is in the hands of the Ministries." An English firm having asked the Mines Department whether miners' lamp-glasses of German manufacture could be put on the approved list in conformity with the Coal Mines Act, 1911, received the answer that German and Austrian glasses are not approved or accepted for test. This, as the "Gazette" points out, is going a long way beyond the Safeguarding of Industries Bill, which, though it provides for a special duty on such products of "key industries," does not entirely exclude them. We have had another instance of this Departmental legislation in the Dangerous Drugs Act Regulations, and are threatened with still another in the Proprietary Medicines Bill.

"Foxglove,"

said a friend to me the other day, is folk's glove—that is, fairy's glove. This quite modern bit of wordlore seems to have "caught on" pretty extensively, and I have met with it more than once in books pretending to authority, but there is not a particle of real evidence in its favour. The question was discussed exhaustively in "Notes and Queries" in 1895, when Professor Skeat told the true history of the word and showed the untenableness of the pretty fancy which connects it with the fairies. The Anglo-Saxon, the earliest known form of the word, is "foxes glofa," the glove of the fox, a fact which of itself settles the question. It is therefore unnecessary to labour the point that folk, standing alone, has not, and so far as we are aware never had, any reference to fairies; even the phrase "good folk" as applied to them is not of any antiquity. It is not, says the Oxford Dictionary, clear why the flower is associated with the fox, but there are many other plants the reason for whose name is equally obscure.

"THE SQUARE CHRONICLE," the June number of the official organ of the Students' Association connected with the School of Pharmacy of the Pharmaceutical Society of Great Britain, has just been issued. Mr. W. H. Allen, Ph.C., the Editor, gives in this issue an account of events connected with the School which have occurred since February. The prose matter and the rhymes which intersperse the pages are brightly written.

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An announcement of particular interest to you appears in this issue on page 8

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Editorial Articles

Indian Medicine

Some three years ago several members of the Viceroy's Legislative Council made a strong appeal for an investigation into the indigenous drugs of India. They claimed three things, viz.: (1) That the Ayarvedic and Unani medicines were as efficacious as those of the British Pharmacopœia; (2) that the indigenous systems were cheaper than Western medicine; and (3) that careful investigation would disclose a number of valuable but hitherto unknown remedies. In response to this appeal the Government appointed an Indian medical man attached to the Madras Medical College to carry out an investigation. After two years' work reports have now been published, and the "Lancet" considers that they throw considerable light on the points raised by the Indian politicians. As a preliminary, visits were paid to Ayarvedic pharmacies and dispensaries, and after collecting the most important drugs and compound preparations, Dr. Koman, the Indian medical graduate in charge of the investigations, experimented with them on suitable patients in the wards of Madras General Hospital. It was only possible to test the therapeutical action of the medicines, as a laboratory and staff were not available to carry out a complete pharmacological and toxicological investigation. For nearly a hundred years there has been an increasing interest among medical men in India in the use of the indigenous drugs, and as the result of their labours Dr. Koman has found that all important drugs have been investigated, and adds: "In vain have I attempted to find any drug or medicine whose reputed marvellous properties are shrouded in mystery or have not been already known." In fact, says the "Lancet," he found with few exceptions the practising *vaidyas* and *hakeems* generally unversed and unintelligent, though industrious and well-meaning. Nearly all evinced a firm conviction and belief in the intervention of evil spirits, and offered many curious rules for averting their machinations. The properties of drugs are, according to them, correlated to the hypothesis of the three humours, wind, bile, and phlegm, which forms the basis of the ætiology diagnosis, prognosis, and treatment of disease in Hindu medicine. This might have formed a working basis in ancient times prior to the discovery of the circulation of the blood and the modern principles of physiology and pathology, but it is, of course, hopelessly inadequate at the present time. Dr. Koman not only formed the conclusion that there is little or nothing to learn from the methods of the Indian native practitioner, but produces figures to show that an Ayarvedic dispensary, which undertakes no surgery at all, costs as much to maintain as an ordinary Government dispensary equipped with modern instruments and medicines, in which surgical operations play an important, if not a major, part of the work. A few indigenous drugs, however, proved of value, and it is recommended that they should be included

in the hospital's Pharmacopœia, and that their pharmacology should be incorporated in the lectures on materia medica to Indian students in the Medical College. Included in Dr. Koman's list are :

1. *Hydnocarpus inebrians*, a powerful drug in ameliorating the complications of leprosy.
2. *Kermani* (*Artemisia maritima*), an efficient substitute for santonin.
3. *Chempallanhi* (*Colycopteras floribunda*), an efficacious anthelminthic.
4. *Boerhaavia diffusa*, a good diuretic in cases of anasarca, the result of Bright's disease. The report gives a secondary list of forty drugs or compounds which are not as effective as remedies already in the British Pharmacopœia, but which are cheaper and more easily obtained in India than their B.P. equivalents. The Government of Madras has decided to continue the experiments with the drugs found to be of value, with a view to their incorporation in the Pharmacopœia of the Presidency Hospital, so these investigations and their results must be regarded as an important step towards the formation of an Indian National Pharmacopœia.

Six Months' Foreign Trade

THE Board of Trade Returns for June, which also complete the figures for the first half of the year, again reflect the injury dealt to our foreign trade by the prolonged coal strike, the cumulative effect of which has become more apparent. Imports, exports, and re-exports all show a severe decline, and, although there has been a progressive fall in the prices of practically all commodities, the comparison with the figures for the corresponding month of 1920 is none the less striking. The imports last month were valued at 88,182,481*l.*, a decline of 82,083,206*l.*, and the exports were only 38,152,238*l.*, a reduction of 78,200,112*l.*, while our re-exports of Colonial and foreign produce receded to 7,082,764*l.*, or 13,041,164*l.* less compared with June 1920, but no doubt the big drop in prices of produce was the ruling factor in this instance. On the import side, one of the features is the purchase of coal, valued at five millions sterling, and for this we got 1,390,800 tons. Our purchases of "food, drink, and tobacco" were 15,425,000*l.* less, and may be attributed to lower prices, which is satisfactory; at the same time, there was a fall in imports of raw materials by 39,530,000*l.*, and here again lower prices affect the position, but to a less extent. Oil seeds and the like were only two millions sterling, a drop of 3,832,000*l.* on the month, but 29,360,300*l.* less than in June last year, when the peak of prices was reached. Among manufactured articles our purchases were valued at 17,600,000*l.*, or a decline of 27,081,400*l.*, to which practically all items contributed. There was a noticeable shrinkage in "chemicals, drugs, dyes, and colours" to a mere 720,335*l.*, being a decline of 2,699,215*l.* Practically all the scheduled items were affected. On the export side of the account, the worst feature is the decrease in British manufactured goods to 33,658,000*l.*, representing a decline of 65,423,300*l.*, which figures were even 423,000*l.* below those of June 1913, when values were much lower than now. The condition of the Lancashire cotton industry is reflected in a decline of 27,838,000*l.* in cotton yarns and manufactures, whereas a year ago it was almost 37½ millions sterling, and in 1913 nearly 10¾ millions. Woollen and worsted yarns fell by 9¼ millions, and iron and steel manufactures by 8¾ millions. Chemical drugs and dyes shrank to less than one million—actually 998,565*l.*, or 2,312,500*l.* less. Looking at the record of the half-year's trade as a whole, one of the most striking features is the manner in which our trade has fallen month by month since the beginning of the year, this being indicated in the following tables :

Imports.

—	1913	1920	1921
	£	£	£
January	71,242,300	183,498,400	117,050,800
February	63,787,100	170,514,300	96,973,700
March	61,342,400	176,647,500	93,741,700
April	62,953,700	167,154,300	89,995,500
May	61,279,400	166,333,800	86,308,300
June	58,309,500	170,491,200	88,182,500
Total	378,746,400	1,033,037,500	571,691,500

British Exports.

—	1913	1920	1921
	£	£	£
January	45,446,400	105,879,900	92,756,100
February	40,173,500	85,904,100	68,221,700
March	41,690,300	103,699,400	66,809,000
April	43,063,400	106,251,700	59,867,600
May	43,859,500	119,319,400	43,088,400
June	42,837,500	116,352,400	38,152,200
Total	257,060,600	637,466,900	368,895,000

Exports—Foreign and Colonial.

—	1913	1920	1921
	£	£	£
January	10,705,200	25,464,500	9,955,100
February	10,745,600	22,603,800	8,004,300
March	9,632,900	27,031,400	8,888,000
April	10,057,900	20,407,400	8,523,700
May	9,369,000	20,260,000	7,231,800
June	8,540,200	20,123,900	7,082,800
Total	59,050,800	135,891,000	49,685,700

It will be seen from the above tables that the exports (including re-exports) declined by 354,777,200*l.*, compared with the first half of 1920, while the decline in imports amounted to 461,346,200*l.* The drug and chemical export figures were as follows :

	1913	1920	1921
	£	£	£
Jan.-June ...	10,629,402 ...	18,972,213 ...	11,035,683

These figures reveal a decline of almost eight millions sterling for the half-year, but we should not be surprised if the bottom of the decline has now been reached, and there is good ground for believing that the reaction has come to an end, although recovery will be slow.

The Production of Cadmium

DURING the war-period the price of cadmium metal was forced up to well over 8*s.* per lb., in spite of the much-increased production in the United States, which for the year 1917 amounted to 257,500 lb. The demand during the war was, of course, considerably increased, but since the Armistice, requirements have fallen off, now being confined to the usual commercial purposes. Some time ago the price in London reacted to a little below 6*s.* under the stress of German competition, but, in consequence of the recent withdrawal of German offers incidental to the Reparations (Recovery) Act, the market strengthened slightly again. So far as Germany is concerned—which

country is the only one able to produce substantial quantities, apart from the United States—there is not much pressure of supplies to be expected, as old stocks accrued, especially in Silesia, from the heavy 1918 output (estimated at 236,000 lb.), have, according to recent advices, been well scattered. Germany's production was in 1919 reduced by almost two-thirds of the above amount, but no returns are available so far of the German output for 1920. Production has, however, probably fallen further owing to the seriously reduced conditions of the zinc-smelting industry. On the other hand, the United States output, which dropped by more than 100 per cent. from 1917 to 1919, experienced in 1920 a renewed increase of about 30 per cent., according to the interesting returns compiled by the United States Geological Survey. From an early forecast a large increase was apparent, and had been expected to weaken the market, but the price so far still stands at rather better than 6*s*. per lb., which is considerably more than double the pre-war level. Germany is by far the oldest producing country, while the United States only started developing this industry about fifteen years ago; but production from that source is now a most important factor, both in regard to metallic cadmium and cadmium sulphide. There are six producers of cadmium in the United States, which include the largest mining and smelting interests identified with the copper, zinc, and lead industry, and three of the larger chemical-manufacturing concerns. We give below the official American returns, covering a period of fifteen years, which clearly indicate how the output was forced, both in the United States and Germany, under the pressure of war needs.

	United States		Germany
	Metallic cadmium	Cadmium sulphide	Metallic cadmium
1906 (in lbs.) ...	300	nil	47,368
1907	14 000	nil	72,639
1908	8 000	nil	72,741
1909	5,300	nil	81,982
1910	4,700	nil	90,516
1911	26,152	2,392	93,861
1912	52,508	8,998	94,262
1913	54,198	17,302	81,993
1914	91,409	22,723	86,000
1915	91,415	10,624	82,000
1916	135,212	22,176	128,000
1917	207,408	50,169	172,000
1918	127,164	51,702	236,000
1919	99,939	31,197	85,395
1920	129,283	32,133	?

Even allowing for a further probable shrinkage in the German output for the past year, the present production of America and Germany combined is undoubtedly still in excess of what it was in the pre-war year 1913, and unless the world's consumption for industrial use is now considerably larger than it was then, the price may still be considered unduly high. German competition having, however, lost much of its importance for the time being, America is now in a position to dominate the market more or less. The total American production for fifteen years amounted to 1,046,988 lb., the value of which, based on sales, represents $1,292,363. The American average price, which for 1906 was $1 per lb., fell in 1908 to nearly 50 cents, and for 1916 was $1.56, declining last year to $1.17. Stocks left from the 1917-1918 output are said to have been reduced, while consumption in the U.S. is estimated to have averaged 127,000 lb. a year in the period 1916 to 1920. Nearly 400 tons of the metal a year is accumulating at lead-smelters, and stocks in baghouse fumes contain more than 750 tons of cadmium. Moreover, 200 tons is accumulating yearly at electrolytic-zinc plants, and residues contain 400 tons. At lithopone plants it is thought 50 tons a year is being produced. In 1918 a total of, roughly, 1,200 tons in fumes and residues was on hand, but only about 750 tons is estimated to have been commercially recovered. The uses of cadmium are many, and tend to increase, the chief being for the treatment of fusible alloys and the manufacture of cadmium sulphide, which is utilised as a pigment in various ways. Salts of cadmium are used over yellow pigments, with chrome lead to preserve the yellow colour. Cadmium lithopone, in which the metal takes the place of zinc, is said to offer a good future, while electro-plating of iron and steel as a rust preventive is stated to be another process which should afford a good outlet for the metal.

The New American Customs Tariff Bill

The Bill for a revision of the United States Tariff is just out of Committee and is now before the House of Representatives. A general increase in the rates has been agreed upon, but as the Bill is only under consideration at present, the proposed increases which have come before us are not in any way an official forecast, as a number of revisions are almost certain to be made during the passage of the Bill. It is unlikely to become law for several months, but as the changes are better known business will be stimulated and orders placed, which no doubt will influence a number of products on the markets in this country. We note a few of the changes in the proposed Bill which particularly affect our readers. These show that the Republican tariff is on a very much higher scale than the last Democratic effort of 1913; in fact, several items are on the basis of the previous Republican tariff of August 1909. Cod-liver oil and resublimed iodine, which are now on the free list, are to be taxed 12½c. a gallon and 20c. per lb. respectively, which compares with 15c. a gallon and 20c. per lb. in the 1909 Republican tariff. Citric acid, now 5c. per lb. (1909 schedule, 7c. per lb.), is put up to 10c. per lb., and lemon and orange oils are also to be doubled—that is, raised from 10 per cent. to 20 per cent. *ad valorem*. Menthol, which was reduced in the Democratic tariff from 25 per cent. *ad valorem* to a flat rate of 50c. per lb.—a very important reduction in view of the extreme prices ruling during the early part of last year, when the price was over the 70*s*. per lb. mark—is to be put back on to the 25 per cent. *ad valorem* basis; and camphor, which now pays 5c. per lb. (against 6c. in the 1909 Bill), it is also proposed to put on the 25 per cent. *ad valorem* schedule. All chemicals now under the 15 per cent. *ad valorem* rate are to be raised to the 25 per cent. basis, and arsenic, which in the last two tariff Bills of 1913 and 1909 escaped taxation, now comes under the 25 per cent. schedule in the new Bill.

Pharmaceutical Society
of Great Britain
Major Examination Results

At the recent examination in London twenty-five candidates were examined, and the following twelve passed :

Bateson, F. R. C.	Kitchingman, Joyce T.
Clark, Ernest H.	Lupton, Arthur W.
Dobson, Paul	Pennington, C. R. A.
Firth, Lucy N.	Phillips, C. R.
Hemming, F.	Reeve, Winifred A.
Hibbins, Henry S.	Speakman, E. G.

For infringing the law which requires that all vacant situations shall be reported, a pharmacist of Smichov has been fined ten crowns, the authorities having been informed by the Association of Czech Pharmacists. Proceedings against another owner are pending.

Pharmacy in Esthonia

Of the various Russian succession States Esthonia is probably the best known to us on account of its heroic defence against Bolshevism, which it succeeded in holding at bay practically unaided on land, assisted only on sea by the presence of a British fleet. The news of its official recognition by the Powers at the recent Paris conference was received with enthusiasm throughout the country, and now Esthonia has entered the comity of nations, a few words concerning the position of pharmacy in this new Baltic State, based on an interesting communication received from an Esthonian *confrère*, should prove of interest, and contribute towards promoting a closer relationship between both countries.

Esthonia faces Finland on the gulf of the same name, and extends from the river Narova (ninety-nine miles west of Petrograd) to the Baltic, and is bounded on the south by the republic of Latvia. It has an area of about 8,000 square miles and a population of about 1,500,000 souls. Whereas the first pharmacy in Russia proper was not founded until the reign of Peter the Great, the "Ratsapotheke" in Reval, the capital of the State, will next year be able to celebrate an existence of half a century. Esthonia ranks high in pharmacy as possessing a university, in the town of Dorpat (now known by its Esthonian name of Tartu), closely identified with pharmaceutical study by its association with Dragendorff, and it may be mentioned that Professor Greenish also spent two years in its renowned pharmaceutical institute. The recent census showed that Esthonia possesses 150 pharmacies, of which two are owned by municipal bodies, one by the University of Dorpat, one by the railways, and two are military pharmacies. The thirteen towns claim forty-six of the total number, the remaining ninety-eight being situated in the various country districts. Esthonia at present recognises two classes of pharmacies; the first class includes businesses equipped with a laboratory, while those of the second class are not required to stock all the preparations included in the Pharmacopœia, and may be managed by a pharmaceutical assistant; the latter class is, however, only to be found in the country, and the present Government is already taking steps to transform these businesses into regular pharmacies, and thus abolish any difference in the standard of the pharmacies in the new State. Reval (Esthonian name Tallinn), the capital, possesses fourteen, Dorpat ten, Narva seven, Pernau three, and Walk two pharmacies. The total pharmaceutical *personnel* of the new Republic is 493 persons, including nine "magisters of pharmacy," 136 qualified pharmacists, 230 assistants, and 118 apprentices. The largest pharmacy in the country is the Town Pharmacy, founded by the municipality of Reval in 1913, and occupying a large portion of one of the most modern buildings in the capital, the Esthonian Bank's premises. In it twenty-four pharmacists are engaged, and it has proved a most successful undertaking. In the second year of its existence, in 1914, 44,939 prescriptions were made up, and the total turnover amounted to 85,000 roubles, yielding a profit of 13,000 roubles; in 1919 the number of prescriptions made up had risen to 62,242, and a profit of 155,000m. was realised on a turnover aggregating 1,529,315m.

The leaders of the new trend of professional organisation in Esthonia are Messrs. J. Lill and M. Hakkaja, assisted by Mr. Kuik, the former manager of the well-known pharmacy of Kressling in Petrograd, who owns an important pharmacy in the university town of Dorpat. Mr. Lill visited London in 1919, in order to make the personal acquaintance of British pharmaceutical firms, with many of which he has since been in active business relations. By adding to his pharmacy a factory and an important wholesale drug business, he has done much to promote the pharmaceutical resources of his country; in addition to organising the collection, as well as the cultivation, of medicinal plants in Esthonia. Much has been heard of the preponderant *rôle* played by the German element in the Baltic provinces under the Russian rule, and this was particularly evident in pharmacy, owing to the fact that most of the businesses were in "German" hands. The result was that the native Esthonian population was treated in a very high-handed manner, the Esthonian appellations for drugs were ignored, and even the directions for use on the medicines were written in German. Esthonian assistants in pharmacies were compelled to converse with one another in German, although they formed 77 per cent. of the pharmaceutical *personnel* of the country. Messrs. Lill and Hakkaja were the first native Esthonian pharmacists who succeeded in acquiring pharmacies in towns, hitherto jealously held by German elements, and who set to work to render their businesses truly national.

The Esthonian National Assembly passed a pharmacy law in 1919, requiring the Matriculation examination prior to entering the profession, and fixing the curriculum at two years' apprenticeship, followed by three years' study at the university, after which the Qualifying examination has to be passed. Pharmaceutical matters are at present administered by the Pharmaceutical Department of the Board of Health, while the local supervision rests in the hands of medical men. Esthonian pharmacists, however, are desirous of managing their own affairs, and the various professional organisations are now engaged on the task of elaborating a new pharmaceutical system for the country.

The oldest pharmaceutical association is the Esthonian Pharmaceutical Society in Reval, which shortly before the outbreak of the war founded a co-operative buying concern on behalf of its members, under the title of "Estländische Pharmazeutische Handelsgesellschaft" ("Ephag"). During the Russian revolution, in 1917, two associations, one in Reval and the other in Dorpat, were founded by pharmaceutical assistants, principally to advance their own interests. In the same year the Esthonian Pharmaceutical Association was formed, comprising both owners and pharmacists, and it is this Association which is energetically engaged in promoting pharmacy reform in the country, assisted by the newest organisation, that of all the pharmacy owners in the country, recently created in Dorpat. While all Esthonian pharmacists are united in their demand for self-government within the profession, considerable divergence of views exists as to the future system of pharmacy to be introduced. The German element among the owners naturally favours the retention of the present system of limitation, that is, of "privileged" pharmacies, while the younger generation, the native Esthonians, desire the introduction of the personal concession. On the other hand, the present owners of country pharmacies demand the unrestricted exercise of the profession, as it would permit them to open a business in a town, at their choice, instead of being chained to a country pharmacy as they now are. It is difficult to reconcile these conflicting opinions. Among the pharmaceutical assistants a great number, about one-third, are in favour of nationalisation, or at least of the introduction of municipally owned businesses.

It may be mentioned that Esthonia produces large quantities of alcohol, available for export, and recently several pharmaceutical laboratories have been opened for the manufacture of various products from the natural raw materials found in the country, or imported from abroad. The cultivation and collection of medicinal plants, under the guidance of Messrs. Lill and Hakkaja, assisted by Mr. Kuik and Professor Kessler, formerly of the Dorpat University, promises to prove a very important branch of commerce (attempts are being made by Mr. Kessler to grow tobacco), and our Esthonian *confrères* trust that the business relations, as well as the professional and scientific, between their country and Great Britain may be actively cultivated, and prove fruitful to both. In addition to elaborating a national Pharmacopœia, steps are being taken to issue a professional journal, in order to facilitate and further the interchange of ideas and of news.

Esthonians have shown that they wish to be in the foremost ranks of modern pharmacy, and their further efforts in overcoming the difficulties inherent in the creation of a new order of things after the chaos wrought by the war will be followed with interest.

The Santonin Industry

In view of the recent developments in the market for santonin, a representative of The Chemist and Druggist called at the offices of the Eastern and Russian Trading Co., Ltd., 8 Drapers Gardens, London, E.C. (the sole consignees of the Santonin Factory in Russia), where he was able to obtain first-hand information of the general economic conditions in Turkestan and of the santonin industry in particular, from a representative of the company, whose special messenger has lately returned from that country, the only one in the world where santonin is manufactured. The gist of the conversation, as expressed through the medium of an interpreter, is summarised in the following statement. Prior to the war, Russian Turkestan, known as the "Pearl of Russia," was a very flourishing and prosperous country, chiefly depending on the cultivation of cotton, which was of good quality; but now, as the result of the war, the country is depopulated and devastated, and most of the factories have been burned down, while the few still in existence are idle owing to lack of raw material. In addition, 90 per cent. of the cotton plantations have been destroyed. Indeed, it may truly be said that civilisation and commerce, as we know it, are at an absolute standstill. Taking advantage of the chaos which prevailed, roving bandits, known as the "Basmatchi," overran the country, looting goods and native produce, and many fierce battles took place between the bandits and the Bolshevists, who invoked the aid of the inhabitants (Khirghese) to exterminate them. It was chiefly these bandits who were responsible for the destruction of the cotton plantations, ginning factories, and oil refineries. Out of 360 cotton-ginning factories there are now only twenty-five in existence, and out of forty oil refineries only three are working. Prior to the war the cotton crop averaged eighteen million poods annually (about 300,000 tons), but the 1919 crop was only 25,000 tons, and even this is of very poor quality. As regards the santonin industry, it is well understood that there is now only one factory in the world, and this is situated near Chimkent, on the Badan River, the nearest railway station, Kabul Sai, being about sixty versts distant. The supplies of wormseed (*Semen Artemisia*) are, of course, found growing wild in the steppes of Turkestan and collected by the Khirghese. This factory was working until the middle of 1917, when the transport difficulties became more daily apparent, and supplies of muriatic acid used in the manufacture were exhausted and could not be replenished from the usual European sources. The consequence was that there was no possibility of putting the goods already manufactured on the world's market, so that they remained in Turkestan. By the end of 1917 the company succeeded in exporting seventy cases (each 50 kilos.) to Archangel and fifty cases to Vladivostock. It is impossible to describe the difficulties attached to the transport of these goods, more especially to get them out of Russia to England and the United States. It was, in fact, these stocks augmented by those which have previously been in the company's hands that are supplying santonin for the world's consumption. Last year the company succeeded in obtaining a further parcel of thirty-two cases, which were transported through Bokhara to Meshed in Persia. From this point the journey lasted three months, the santonin being conveyed by camels and an armed escort to Karachi, whence it was an easy matter to ship to England. An additional twenty-six cases was also imported by the company late in 1920 from the Continent. In 1919 the Turkestan factory and all the available stock was requisitioned by the Soviet Government, and at the same time they also requisitioned the stocks at the Moscow depôt. These goods are now being exported from Russia via Switzerland and are being offered on the English and American markets. Prior to the war the sale of santonin for the world's consumption was centralised in Germany, but from 1914 onwards the sole distribution has passed to London. It has transpired that a considerable quantity of santonin was left in the hands of the German agents in Germany, and it was only after great difficulty with the German Government that the company succeeded in bringing over the greater part of the stock to London. We understand that there are quite sufficient supplies of santonin available to satisfy the world's consumption, and that when Russia again settles down to more normal conditions, steps will eventually be taken to reopen the Turkestan factory and prices will gradually become stable and normal. It is understood that no means have been taken to collect wormseed for the past three years, but when conditions permit collection will again take place. Considerable care has to be exercised in obtaining the true *Artemisia maritima*, as the commercial product is frequently adulterated with a spurious variety, and is often mixed with sand and chaff to the extent of 30 per cent. and even more. It may be said that the yield of santonin from genuine wormseed of good quality is about 2 per cent., and such quality is now held by the company. The high prices ruling for wormseed at different periods have induced certain people to send to market flower-buds of another species of *Artemisia* which greatly resemble the true wormseed. Such, however, is produced by a plant which grows in districts bordering on the wormseed-growing districts, and is called by the natives *Tschin sann*. This false wormseed has been examined by various chemists, both on its first appearance on the market in 1911 (*C. & D.*, October 21, 1911, p. 61) and also again later, and has, it would appear, in every case failed to yield even a trace of santonin. Finally we may add that it is, and always has been, the policy of the company to sell directly to consumers and manufacturers in preference to speculators, so that the price should have as few fluctuations as possible, thereby enabling the manufacturer to fix a stable profit for his product. As there is no substitute for santonin, the company have always been desirous of keeping the maker supplied for the sake of the consumer.

Bankruptcy Reports

Re Reginald Grantham, chemist, 66 Blossom Street, York.—The adjourned application for discharge of this debtor was heard recently at the Courts of Justice, Clifford Street, York. The Official Receiver stated that a first and final dividend of 3*s.* 6*d.* in the £ was expected to be paid on proofs for 1,464*l.* The principal debt was in respect of a judgment for 500*l.* and costs given against the debtor for damages in regard to a prescription given by a doctor and prepared by the debtor, which had been wrongly made up. The discharge was granted subject to a payment of 25*l.*

Re Richard Stopforth, who carried on business latterly at 10 Eaton Street, Liverpool, under the style of Rowand & Co., appeared for public examination at the Liverpool Bankruptcy Court, on July 11. Mr. Edward Lloyd represented Mr. Parkin Booth, the trustee. The debtor's statement of affairs showed liabilities 4,815*l.* and assets 2,935*l.* In examination by the Assistant Official Receiver, the debtor stated that the business of a wholesale druggist had been carried on by his late father for a number of years in Vauxhall Road under the style of Rowand & Co. In 1915 the debtor joined the Army, and was discharged in 1917 as medically unfit. In January of that year his father died, leaving his estate to be divided between the six children. A partnership agreement was entered into by the debtor and his three brothers for the purpose of carrying on the business, but upon the death of one of the brothers in February last it was arranged to dissolve the partnership, the debtor to take over the assets and be responsible for the outstanding liabilities. It appeared, however, that that arrangement had not been definitely concluded. Balance-sheets for 1918 and 1919 showed the business to have made small profits, but the trading for 1920 showed an adverse balance of 1,962*l.* The books had been reasonably well kept. The public examination was closed.

Trade Report

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbling and the like. Qualities of chemicals, drugs, oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities.

42 Cannon Street, E.C. 4, July 14

THE holiday season has now set in, bringing with it the usual dull spell of business, so that there are few changes to record. There is, however, a firm undertone to Mincing Lane produce in general, and many operators are confident that bottom prices have been reached. Spices have shown more speculative activity of late, particularly cloves, pepper, and mace, the first-named having advanced 2*d.* to 3*d.* per lb. Cereals have shown an advancing tendency, particularly rice, which has been excited at times. Fenugreek and canary seeds are dearer. Coriander is very firm and cumin seed firm. Menthol is dearer on the spot and Japanese refined camphor continues very scarce. Russian cantharides are offered more cheaply; galls and gum acacia are steady; lime juice is in fair demand. Linseed oil and turpentine are dearer. Senega is firmer. Chamomiles and lavender flowers are selling at steady rates. An unsatisfactory feature this week has been the further depreciation in sterling in New York, the pound falling to $3.62 at one period of the week, the lowest point this year.

Higher	Firmer	Easier	Lower
Agar-agar Canary seed Cardamom (decort. seed) Clove oil Cloves (Zan.) Fenugreek seed Linseed oil Menthol Nutmegs (Sing. and Penang) Turpentine	Arrowroot Petitgrain oil (Parag.) Senega Soda bicarb. **Steadier** Barbitone	Anise oil, star Bleaching powder Chloral hydrate Cinnamon-leaf oil Guaiacol. carb. Lime oil (h.p.) Palmarosa oil Phenolphthalein Pot. bichromate Soda hyposulph. Sulphonal	Benzaldehyde Hexamine Lead acetate Methyl sulphonal Potash caustic Potash prussiate Sal ammoniac Salicylic acid Sodium nitrite Sodium sulphide

Cablegram

NEW YORK, July 13.—Business is quiet. Iodine and preparations are lower. Resublimed iodine is now $3.50, iodoform $4.75, potassium iodide $2.75, and sodium iodide $3.30. Wintergreen oil is cheaper at $5.75. Hydrastis (golden seal) has been reduced to $3.90, and euonymus bark (wahoo) to 55c. Balsam tolu is 30c. and balsam Peru $1.40, being cheaper. Short buchu has declined to 90c. Menthol is higher at $4.10 per lb.

Crude Drugs, etc.

AGAR-AGAR.—The exports from Japan during April amounted to 215,036 kin, valued at 219,271 yen. During the four months ended April 30 they were as follows:

	1919	1920	1921
Kin	698,924	520,367	607,977
Yen	889,041	850,103	676,181

ANTIMONY.—English regulus continues to sell in very small lots at 40*l.* to 42*l.*, but foreign is irregular, warehouse lots being obtainable more cheaply at 24*l.* 10*s.*, while parcels to arrive are quoted at 23*l.* 10*s.* c.i.f. Crude is widely divergent, but the nearest quotation seems 16*l.* 10*s.* c.i.f., although the few parcels held on the spot would command at least 1*l.* more. Much larger imports in America and free offers caused the price of refined to drop lately to as low as 4.87½c. per lb., duty paid, the lowest recorded for twenty-five years.

BALSAM PERU.—Spot sales have been made at 8*s.* 3*d.* per lb.

CALUMBA.—The London stock is over 20,000 packages. It is reported that a considerable quantity of calumba and myrabolans were disposed of during the coal strike for fuel purposes at a low figure.

CAMPHOR (CRUDE).—Chinese is quoted at 2*s.* 9*d.* per lb. on the spot and at 3*s.* 6*d.* c.i.f.

CAMPHOR (REFINED).—Japanese slabs continue very scarce on the spot and are difficult to buy even at 4*s.* 3*d.* per lb. No arrival business has transpired, July-August offering at 3*s.* 8*d.* c.i.f. Chinese is 3*s.* 11½*d.* spot and 3*s.* 4*d.* c.i.f.

The exports from Japan during April amounted to 560 kin, valued at 119,386 yen. During the four months ended April 30 they were as follows:

To	1919 Kin	1920 Kin	1921 Kin
British India	46	2,393	430
Great Britain	297	638	248
France	488	170	3
United States	6,540	566	665
Australia	1	65	158
Other Countries	359	315	253
Kin	7,731	4,147	1,757
Yen	1,998,112	2,316,821	388,103

CANTHARIDES.—New Russian of good quality offer on the spot at 10*s.* 6*d.* per lb.

CARDAMOMS.—Decorticated seed is now much scarcer, and all the cheaper lots have been disposed of, with the result that supplies on the spot are difficult to find. For good Bombay 2*s.* 9*d.* per lb. is now asked in limited quantity, and small lots of Ceylon could probably be had at about 1*s.* 9*d.* The recent low prices at which seed has been sold this year have resulted in losses to the importers; hence imports have fallen off.

CHAMOMILES.—Fair-quality old Belgian crop are selling on the spot at 120s. per cwt. Reports from Belgium indicate that the crop will be small, owing to restriction of acreage under cultivation.

COD-LIVER OIL.—Business is now extremely limited, and the price for finest Lofoten medicinal oil is nominal at from 100*s.* to 102*s.* per barrel c.i.f. London.

CULVERS ROOT is offered at from 1*s.* 2*d.* to 1*s.* 3*d.* per lb. on the spot.

EGG PRODUCTS are quiet, with sellers of prime Chinese liquid hen yolk at 130*s.* per cwt., and for June-August shipment the value is 85*s.* per cwt. c.i.f. Dried yolk is 5*d.* and sprayed whole egg 1*s.*; Native dried whole is 6*d.*—all spot. Prime hen albumen is offered at 2*s.* 10*d.* per lb. on the spot, and 2*s.* 8½*d.* per lb. c.i.f. is quoted for July-September shipment.

EUONYMUS BARK is offered at about 4*s.* 3*d.* per lb. on the spot.

FARINA continues quiet, the spot price of No. 1 Japanese being nominal, and for July-August shipment the value is 20*s.* 6*d.* per cwt. c.i.f. Dutch on the spot is 19*s.*, and 17*s.* 6*d.* f.o.b.

GALLS are steady, plum-shaped Chinese offering at 90*s.* on the spot and at 85*s.* c.i.f. to arrive; ordinary shape on the spot are 80*s.*, and to arrive 65*s.* c.i.f.

GUM ACACIA is steady, usual half-hard Sudan sorts offering at 45*s.* per cwt. and cleaned at 50*s.*

HENBANE LEAVES are slow of sale at from 1*s.* 3*d.* to 1*s.* 4*d.* per lb.

IPECACUANHA.—Small sales of fair Matto Grosso are reported at 8*s.* 6*d.* per lb.

LAVENDER FLOWERS.—French are in fair demand and selling at from 95*s.* to 130*s.* per cwt. as to quality.

LIME JUICE is in fair demand at from 2*s.* 6*d.* to 2*s.* 9*d.* per gallon for raw West Indian as to quality.

LINSEED OIL.—There has been a fairly good trade demand, which has strengthened the market, especially in view of the renewed rather sharp advance in raw material. It is clear that the outlet will recover considerably after the hold-up of the demand during the lengthy coal dispute. London closes at 36*l.* 10*s.* per ton naked and Hull at 34*l.* 5*s.* naked.

LIQUORICE ROOT.—Natural is offered at 25*s.* per cwt., and decorticated at from 79*s.* to 80*s.* on the spot.

LYCOPODIUM.—Genuine Russian of treble-sifted quality is offered at 14*s.* 6*d.* per lb.

MENTHOL is dearer on the spot; business was done on Tuesday at 18*s.* 6*d.*, and subsequently 19*s.* to 19*s.* 3*d.* was paid, but sellers now want 20*s.* for Kobayashi-Suzuki, although it is difficult to get an offer. As a fact, it

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did not require much business to stiffen the market, and from the sellers' point of view the business done shows a considerable loss. The American price has advanced to $4.10 per lb., which, after deducting the duty, is equal to $3.85, or, say, 20*s*. 10*d*. per lb.

The exports from Japan during April amounted to 251 kin, valued at 228,549 yen. During the four months ended April 30 they were as follows:

	1919	1920	1921
Kin	752	1,366	885
Yen	631,341	2,998,699	821,492

MERCURY.—The market has remained exceedingly disappointing in the absence of export demand. Current quotations are about 10*l*. 15*s*. to 11*l*. per bottle, although it is claimed that business has been possible at below the lower figure. The June imports amounted to 5,140 bottles, compared with 1,474 bottles for June last year, the total for the six months being 16,036 bottles, against 21,493 bottles for same period in 1920. A further 4,000 bottles Spanish have arrived this week.

SENEGA.—Spot holders now ask 3*s*. 4*d*. per lb., with the possibility of the price going to 3*s*. 6*d*.; to arrive 3*s*. 3*d*. c.i.f. is quoted.

SHELLAC has been quiet but steady, usual standard TN Orange quality offering at 310*s*. to 320*s*. per cwt.; fine lemon is 425*s*., fine second orange 380*s*., RLI 375*s*., GAL 270*s*., and IG 230*s*. per cwt. In the delivery market August shows little change, TN selling at 250*s*. to 260*s*., and for October delivery from 210*s*. to 240*s*. to 235*s*. has been paid.

TURPENTINE.—The market during the last few weeks has been very puzzling, and this is no doubt due to some extent to the vagaries in the dollar rate of sterling, whereby the cost of shipping has been actually enhanced, thus discouraging new importations from America. The price, after fluctuating down to about 77*s*. per cwt., advanced on Tuesday to 99*s*. 6*d*., and closed at 110*s*. The stock here has now fallen exceedingly low, and anything like an urgent demand at any time may have no little effect.

WORMSEED is in good demand, with genuine Russian obtainable at from 9*s*. 6*d*. to 10*s*. 6*d*. per kilo. according to quality.

Seeds and Spices

ARROWROOT is firmer at from 3*d*. to 3¼*d*. per lb. for good manufacturing St. Vincent.

CANARY SEED is dearer, with sales of ordinary Morocco at 85*s*. and good at 100*s*. per quarter, and holders are now asking 2*s*. 6*d*. advance for both qualities.

CHILLIES continue firm and scarce, with an absence of Japanese and other descriptions.

CINNAMON continues neglected in the absence of Continental demand, and prices are nominal.

CLOVES are dearer, with spot sales of Zanzibar at from 9½*d*. to 10¼*d*. per lb. Sales for June-July shipment have been made at 9½*d*. per lb. c.i.f.

CORIANDER SEED is very firm at 21*s*. per cwt. for sound Morocco and 15*s*. to 18*s*. 6*d*. for slightly to very slightly wormy.

CUMIN SEED is firm, but business slow at 27*s*. 6*d*. per cwt. for 1919 crop and 31*s*. for 1920 crop.

FENUGREEK SEED has advanced in price rapidly with a large business. Holders are now asking 14*s*. to 15*s*. per cwt. for fair Morocco.

MACE has been selling at higher prices, and a considerable market business has been done, as prices are abnormally low. Fair Singapore is 1*s*. 2*d*. to 1*s*. 3*d*., ordinary 1*s*., and good West Indian is 1*s*. 3*d*. to 1*s*. 4*d*.

NUTMEGS.—Singapore and Penang are dearer for large sizes, and there has been more demand. Singapore 110's is 8½*d*.; 80's, 1*s*. 0½*d*. to 1*s*. 1½*d*.; and 65's, 1*s*. 5*d*. per lb.

PEPPER is firm, with sales of fair black Singapore on the spot at 4¼*d*. per lb.; to arrive, July-September and August-October shipments have been sold at 4⅜*d*. c.i.f. Lampong is now 5*d*., Tellicherry 4¾*d*., and Aleppy 4½*d*. spot. *White* pepper is firmer at 9¾*d*. for fair Muntok, at which sales have been made; June-August shipment has been sold at 9½*d*. to 9 5/16*d*., and July-September and August-October shipment at 9⅜*d*. c.i.f.; white Singapore is 9½*d*. spot, and for August-October shipment 9¼*d*. c.i.f. is the value.

Essential Oils

BUSINESS cannot, on the whole, be termed brisk, but the general undertone is distinctly firm and healthy. Goods ordered are wanted at once, indicating that stocks are low and the probability is that as soon as general trading becomes more normal an all-round improvement will set in. Clove oil is about 1*s*. higher. Wayne County peppermint is scarce on the spot. Cinnamon leaf, lemongrass, and palmarosa are slightly easier. Orange and lemon are in more demand.

ANISE (STAR) has sagged a little. 2*s*. 3*d*. is now asked on the spot, and probably 2*s*. 2½*d*. would be accepted; the c.i.f. price remains at 2*s*. 3*d*.

BERGAMOT is marking time and not quite so firm for 37 to 39 per cent. l.a.; the spot price is 22*s*. to 23*s*.

CAMPHOR.—Water-white in drums is offered at 125*s*. to 127*s*. 6*d*., and in tins and cases at 135*s*. per cwt. on the spot.

CASSIA is quoted on the spot at 3*s*. 10½*d*. and c.i.f. at 3*s*. 7½*d*. for 80 to 85 per cent.

CINNAMON LEAF is slightly easier at from 4*d*. to 4¼*d*. per oz. for Ceylon.

CITRONELLA.—Ceylon is rather more inquired for. Ordinary quality is quoted at 1*s*. 3½*d*. for large drums on the spot.

CLOVE.—In sympathy with the rise in the price of the fruit, distillers have advanced prices about 1*s*. per lb., and it is now quoted at 6*s*. to 6*s*. 6*d*. per lb. according to percentage and quantity.

GERANIUM.—Bourbon is quoted at 15*s*. to 16*s*., and Algerian 23*s*. 6*d*. per lb.

LEMON.—The higher prices of from 3*s*. 4*d*. to 3*s*. 7*d*. and even 4*s*. c.i.f. have been cabled from Sicily this week, but as good stocks are available on the spot there is little or no alteration here, and from 3*s*. to 3*s*. 3*d*. per lb. will buy good brands.

A Palermo report, dated July 7, states that "Our market continues to be entirely controlled by speculators, who are pushing up prices despite the fact that both exporters here and consumers abroad are so far maintaining an absolutely passive attitude. It seems that one of the inducements to speculate has been afforded by reports of damage to the new crop of lemons, which seem to be true, although it would appear that speculators are overestimating the extent of the damage."

LEMONGRASS in tins and cases is slightly easier at from 2¾*d*. to 3¼*d*. per oz. for Cochin.

LIME.—Fair West Indian distilled in quantity is offered at 2*s*. 10½*d*. on the spot. Hand-pressed is 20*s*. There is a fair business passing in distilled, but the demand for hand-pressed is at a standstill.

MINT.—Japanese dementholised remains steady at 4*s*. 3*d*. for single cases of Kobayashi-Suzuki, and in 10-case lots it would probably be bought at 4*s*. 1½*d*. per lb.

ORANGE is in good demand and slightly higher. Sicilian sweet is quoted at 13*s*. 6*d*. to 14*s*., and bitter at from 12*s*. 6*d*. to 13*s*. per lb.

PALMAROSA is the turn easier and original pots could be purchased at 14*s*. 6*d*. per lb.

PEPPERMINT.—Pure "Wayne County" American is scarce on the spot and rather at a premium: the figure asked is round about 13*s*. 6*d*., but to come forward August-September shipment, we understand, business has been done at 11*s*. 6*d*. c.i.f. H.G.H. can be had at 40*s*. per lb. spot.

PETITGRAIN.—Paraguayan is slightly better at from 13*s*. to 13*s*. 6*d*. per lb. on the spot.

WINTERGREEN (SWEET BIRCH OIL) on the spot is about 22*s*. per lb., but for deferred delivery it probably could be bought at 20*s*.

WORMWOOD remains at 15*s*. in original cases on the spot.

Pharmaceutical Chemicals

So far July has brought no improvement in the fine-chemical market. Business is still exceedingly dull, and although there is a little more confidence apparent, values continue to ease off, and this week a number of further declines are again recorded, among them being benzaldehyde, chloral hydrate, hexamine, methyl sulphonal, phenolphthalein, salicylic acid, and sulphonal.

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ACETANILIDE is unchanged at last week's figures of 1*s*. 4*d*. to 1*s*. 8*d*. per lb. according to quantity. Only a limited business is being done.

ALOIN remains at 4*s*. 9*d*. per lb., with the market still dull.

AMIDOPYRIN is still dull, with values easy at 21*s*. 6*d*. per lb.

ASPIRIN is unchanged at from 3*s*. to 3*s*. 3*d*. per lb., the latter price being for 1 to 2 cwt. lots of finest Continental make.

ATROPINE SULPHATE is unchanged at 22*s*. 6*d*. per oz.

BARBITONE is perhaps a little steadier this week at 15*s*. per lb., with the market still quiet.

BENZALDEHYDE 0.3 has dropped to 3*s*. 6*d*. per lb. during the week.

BENZOIC ACID, although quiet, is firm at 2*s*. 3*d*. to 2*s*. 6*d*. per lb. according to quantity.

BENZONAPHTHOL continues to be offered at various prices from 8*s*. to 9*s*. per lb. Business is slow.

BETANAPHTHOL.—Resublimed is quoted at last week's figures of 3*s*. 6*d*. per lb. The market is still quiet.

BROMIDES continue weak, there being but a poor demand for the large stocks offering. Potassium crystals and granular are weak at 9*d*. per lb. Ammonium continues dull at about 1*s*., and sodium from 11*d*. upwards.

BUTYL CHLORAL HYDRATE continues unchanged on a quiet market at 10*s*. 6*d*. per lb. on the spot.

CALCIUM LACTATE is steady at 2*s*. 3*d*. per lb. The demand is still poor.

CHLORAL HYDRATE is now obtainable at the slightly cheaper figure of 4*s*. 6*d*. to 4*s*. 9*d*. per lb. Considerable quantities of Continental material are offering.

CITRIC ACID.—The quotation of 2*s*. 3*d*. per lb. given in this section last week applied to a parcel of "slightly yellow crystals," and not suitable for druggists' purposes. For B.P. quality crystals the current spot price is about 2*s*. 5*d*. per lb., less 5 per cent.

COCAINE.—Small lots of hydrochloride are selling at from 11*s*. to 11*s*. 3*d*. per oz. on the spot.

CREAM OF TARTAR continues to move in limited quantities at last week's figures of 135*s*. to 140*s*. per cwt. for 99 to 100 per cent. powder.

CREOSOTE.—B.P. is still quiet, with values weak at 4*s*. 6*d*. to 4*s*. 9*d*. per lb.

CREOSOTE CARBONATE is only moving occasionally, and values are easy at 15*s*. per lb.

GUAIACOL CARBONATE is easier, dealers offering at from 14*s*. 6*d*. to 15*s*. per lb. on the spot.

HEXAMINE continues to drag, and quotations are now being made at 4*s*. 6*d*. to 4*s*. 9*d*. per lb., which show a slight drop.

HYDROQUINONE is still inclined to be weak. Market values are easy at 5*s*. per lb.

IODINE PREPARATIONS.—Demand is small and for current requirements only. Prices of resublimed iodine and iodide preparations have been reduced in the United States, but that does not affect prices on this market.

METHYL SULPHONAL is much cheaper and now offering at 17*s*. 6*d*. per lb. The market is still neglected.

MILK-SUGAR has been selling at easier prices of late on keen competition from several sources; finest Dutch powder (B.P.) can be had at 128*s*. per cwt. in cases.

PARAFORMALDEHYDE keeps steady on a quiet market at 3*s*. 9*d*. per lb.

PARALDEHYDE is still uncalled for, with values almost nominal at 2*s*. to 2*s*. 3*d*. per lb.

PHENACETIN is showing up very weak, with values down as low as 6*s*. to 6*s*. 6*d*. per lb.

PHENAZONE is still unsteady, with quotations varying from 8*s*. upwards. Values are weak.

PHENOLPHTHALEIN is a little easier this week, and orders could be placed slightly under last week's figures at 4*s*. per lb.

POTASSIUM IODIDE.—The exports from Japan during April amounted to 1,622 kin, valued at 11,481 yen. During the four months ended April 30 they were as follow:

	1919	1920	1921
Kin	28,850	7,195	4,273
Yen	187,255	64,763	28,436

Of *crude iodine*, 190 kin, valued at 1,783 yen. During the four months ended April 30 they were as follow:

	1919	1920	1921
Kin	10,090	1,530	1,018
Yen	62,326	16,119	7,724

POTASSIUM PERMANGANATE continues to move in limited quantities at last week's reduced figures of 1*s*. 2*d*. to 1*s*. 6*d*. per lb. for B.P. imported stuff.

POTASSIUM SULPHOGUAIACOLATE continues quiet, with values steady at 8*s*. to 8*s*. 6*d*. per lb.

RESORCIN continues dull, with values weak at 8*s*. 3*d*. to 8*s*. 6*d*. per lb.

SALICYLATES.—*Salicylic Acid* B.P. powder is showing up at a lower figure and easy at 1*s*. 3*d*. per lb. *Sodium Salicylate* is also weak at 2*s*. 3*d*. There is but a small demand.

SALOL is nominal at 3*s*. per lb. on a lifeless market.

SANTONIN.—Sales are being made for future delivery at from 60*l*. to 65*l*. per kilo. for quantities of 50 kilos. to 5 kilos. In another quarter a fairly plentiful supply is available on the spot from parcels which were originally "requisitioned" by the Soviet Government and sold by them to importers; such is quoted at from 67*l*. to 70*l*. per kilo.

SODIUM BENZOATE is unchanged at 2*s*. 3*d*. to 2*s*. 6*d*. per lb.

SODIUM DIETHYLBARBITURATE.—B.P. is still quoted at 24*s*. per lb. Market is not firm.

SODIUM SULPHITE.—Pure-quality pea crystals is quoted by makers at 25*l*. per ton.

SULPHONAL is a little cheaper this week, and now offering at 19*s*. 6*d*. to 20*s*. per lb. Market is not active.

TANNIC ACID.—*Leviss* is unchanged but quiet, with values weak at 4*s*. 6*d*. per lb.

TERPIN HYDRATE is unchanged on a quiet market at 3*s*. 6*d*. per lb.

THYMOL is nominal and lifeless at 21*s*. to 22*s*. per lb.

Heavy Chemicals

London: July 13.

VERY little of importance in the way of changes is recorded in the heavy-chemical market this week. There are no signs of an improvement in the amount of business so far this month; orders are still being placed for strictly limited quantities, and it would appear that buyers are continuing to hold off, hoping to obtain lower prices later. It will be some weeks before the good effect of the coal-strike settlement will be felt in the demand for industrial chemicals, and it is generally thought that a fair improvement in business will take place in the early autumn.

ACETIC ACID is still very dull, there being only a poor demand for the small stocks offering; current quotations are 43*l*. to 44*l*. for 80 per cent. technical and 55*l*. to 56*l*. for 98 per cent. glacial.

ACETONE.—British Government specification is being inquired for from Scandinavia in small lots and is quoted unchanged at 85*l*. to 90*l*. per ton.

ALUM continues lifeless, with values still easy at 18*l*. per ton f.o.b.; the demand is practically nil. Continental stuff of inferior quality is quoted at about 14*l*. per ton f.o.b.

AMMONIA SULPHATE.—It is somewhat doubtful whether the drastically reduced quotation of 14*l*. 6*s*. per ton, based on 25¾ per cent. quality, as issued officially and as given in our previous issue (this comparing with 18*l*. 10*s*., the previous old quotation, based on 24¾ per cent. material), will do very much to revive the demand just yet awhile, although it should eventually do so. There is no mistaking the fact that the article is now cheap and that absorbing power must have accumulated to some extent. The market is now, of course, between seasons. The feature in the June exports is the quantity of 2,330 tons gone to Japan, this being the first shipments of importance made in the current year, while the total exports to all countries amount to 4,984 tons, compared with 5,196 tons for June last year. The aggregate for the six months represents 70,828 tons, compared with 45,930 tons for the same period in 1920.

AMMONIUM CARBONATE is unchanged, the basis price of lump in casks being 4*d*. per lb. net.

Arsenic continues dull; a little business has been done in white Cornish powder at about 45*l.* per ton.

Barium Chloride (98 to 100 per cent.) continues to be quoted at 17*l.* per ton on a dull market; Continental material is offered at about 14*l.*

Bleaching Powder of 35 to 37 per cent. available chlorine is a little cheaper this week at 17*l.* to 17*l.* 10*s.* per ton in hardwood casks.

Copper Sulphate is still quiet, but, with the buying season coming on in the near future, business should improve; manufacturers are still quoting about 30*l.* per ton for export in casks, home trade at about 31*l.* per ton.

Copperas.—Green crystals continue lifeless, with values nominal at 5*l.* 15*s.* per ton f.o.b.

Formaldehyde is offering on the spot at about 95*l.* per ton for 40 per cent., but there is practically no demand.

Lead Acetate is cheaper at 50*l.* for brown broken and 53*l.* for white crystals per ton; a very limited inquiry is being received.

Lead Products.—There is generally a better demand for red-lead and litharge, some of the manufacturers being more favourably situated than for a considerable time past, in spite of the fact that Continental competition is still very active. Prices have remained stationary.

Lime Acetate is nominal at 15*l.* per ton for American 80 per cent. grey; Continental is offering at lower figures, but there is no demand.

Lithopone is moving in small lots, with values about the same as last week at 31*l.* for 30 per cent. Continental red seal and 35*l.* for light-resisting, casks free.

Nickel Sulphate is quoted by makers unchanged at (export) single salts, 57*l.*; double salts, 59*l.*; (home trade) single salts, 58*l.*; double salts, 60*l.* per ton, less 2½ per cent. delivered; demand is still poor.

Oxalic Acid is still quiet, with values well maintained at 9½*d.* to 10*d.* per lb.

Potash Caustic has dropped off in demand, and parcels are now offering at the cheaper figure of 37*l.* per ton for 88 to 92 per cent. material; makers continue to quote at 33*l.*

Potassium Bichromate has eased off during the week, and is now quoted at about 9½*d.* to 10*d.* per lb. on the spot. Makers are quoting at about 10½*d.* per lb.; demand is still poor.

Potassium Carbonate (90 to 92 per cent.) is still uncalled for and values are unchanged at about 35*l.* per ton.

Potassium Chlorate.—Crystals and powder are freely offered by makers and dealers at 5*d.* per lb., but there is only a small demand.

Potassium Nitrate.—Refined is unchanged at 55*l.* per ton; demand is small.

Potassium Permanganate.—Commercial quality continues to be quoted by makers at 1*s.* 6*d.* per lb.; dealers are doing fair business at 1*s.* 2*d.* per lb. upwards.

Potassium Prussiate is offered at lower figures by makers this week, yellow at 1*s.* 2½*d.* and red at 2*s.* 1*d.*; spot lots are a little above these figures; there is very little inquiry.

Potassium Sulphate is still dull, with values unchanged at 20*l.* per ton for 90 per cent. ex ship.

Sal Ammoniac is 10*l.* per ton lower, makers quoting first quality at 65*l.* per ton, 60*l.* per ton for second quality, and 5*l.* per ton extra for crushed.

Soda Ash (58 per cent. light alkali) continues very quiet; makers' quotations are unchanged at 8*l.* 10*s.* for home trade only and about 10*l.* 5*s.* per ton for export; a few spot lots are offering at 9*l.* 10*s.* to 10*l.* per ton f.o.b. in single bags.

Soda Crystals continue to be offered by makers at 7*l.* per ton in bags ex works or station; business is still very limited; spot lots are also offering ex store at this figure.

Sodium Bicarbonate is firmer this week, and dealers are asking 12*l.* 10*s.* for refined material; limited stocks only available.

Sodium Caustic continues to be quoted by dealers at 22*l.* 10*s.* to 23*l.* per ton f.o.b.; a little business is being done; makers are quoting 26*l.* 15*s.* for 76 to 77 per cent. material in large drums f.o.r. and 24*l.* 10*s.* for 70 to 72 per cent. for home trade only.

Sodium Chlorate is offered by makers and dealers at 4*d.* per lb.; market is still very slack.

Sodium Cyanide has been slightly reduced by makers and is now quoted at 11*d.* to 11½*d.* per lb. for 100 per cent. basis; market is still dull.

Sodium Hyposulphite.—Pea crystals in 1-cwt. kegs photographic quality are showing up easier, with the market much quieter at 22*l.* to 24*l.* per ton, and commercial quality has eased off to 17*l.* per ton; makers are quoting 24*l.* for photographic and 17*l.* for commercial—home trade only.

Sodium Nitrate is unchanged on a dull market at 18*l.* 10*s.* per ton for 96 per cent. refined f.o.r. Liverpool.

Sodium Nitrite.—Quotations have been slightly reduced and are now being made at 40*l.* per ton; demand is poor.

Sodium Prussiate is quoted by makers unchanged at 7*d.* per lb.; spot lots are firm at 7*d.* to 7½*d.*; there is not much demand.

Sodium Sulphide is quoted by makers at the reduced figure of 25*l.* per ton for 60 to 65 per cent. concentrated in casks; dealers are offering 60 to 62 per cent. solid at about 24*l.* per ton on the spot; business is still very limited.

Sodium Sulphite.—Anhydrous continues quite neglected, with values nominal at 28*l.* per ton; commercial crystals are quoted by makers unchanged at 12*l.* 10*s.* per ton for home trade only.

Zinc Products.—Demand for zinc oxide has been fairly active and the tone is very steady, with prices about as follows, as quoted by large makers: White seal, 99.9 per cent., 44*l.* 10*s.*; green seal, 99.8 per cent., 42*l.* 10*s.*; and red seal, 99.7 per cent., 40*l.* per ton. Zinc ashes are held for 7*l.* per ton delivered to users, based on 70 per cent. Zinc dust is slow, although some improvement is looked for. High-grade English stands at 53*l.* delivered, and best Australian 55*l.* c.i.f. American high-grade is called 51*l.* 10*s.*

German Drug and Chemical Markets

An important Hamburg wholesale drug-house mentions in its market report, dated June 30, that since their last issue the value of the mark has further depreciated. Although this scarcely affected prices of goods actually held by genuine dealers, it meant that higher prices had to be paid for new imports, particularly as several lines were quickly cleared. In addition, the fact must be taken into consideration that prices in the world market have generally firmed up, especially for Japanese and Chinese produce. The tendency is firmer, and consumers are now beginning to replenish their depleted stocks. There is a brisk demand, and the following are market prices, in marks, per 1 kilo.:

Aloes.—Cape of first quality is being rapidly cleared. For orders of three to five cases the price is m.14.50, for single cases m.14.75 per kilo., broken bulk m.16.50, tare 14 per cent. Curaçao: only livery is on the market at m.13.50 to m.14 per kilo, according to quantity.

Araroba.—New arrivals make it possible to reduce the price.

Buchu.—Spot stocks are practically cleared at m.355 per kilo. Arrival of 200 kilos. is expected middle of July, which are offered at m.345 for orders of 50 kilos., m.355 for 25 kilos., and m.360 for smaller amounts.

Calabar Beans are offered at m.11.50 to m.12.50 per kilo., according to quality.

Camphor.—Spot is very much firmer, and the price is being kept high. July arrivals of slabs at m.117 per kilo., broken bulk m.122. First quality genuine Japanese powder is obtainable at m.99.50 per kilo. for orders of 18 to 20 cases. This article should not be confused with the much cheaper synthetic powdered camphor often offered.

Cascara Sagrada.—New deliveries command a very high price owing to the high value of the American dollar. Spot bark is cheap, and obtainable on orders for three to five tons at m.24 for orders of one ton at m.24.75, for smaller amounts at m.25.50 per kilo.

Cascarilla.—The small stocks were quickly cleared. An expected direct consignment of prime natural quill is offered at m.68, coarse siftings at m.44 for 1 kilo.

Cocculus Indicus.—A delivery expected shortly is offered at m.9.50 for orders of a ton, and m.9.75 to m.10 for smaller amounts per kilo.

CREAM OF TARTAR (98/100 per cent.) is m.26 per kilo., net exclusive, in barrels of 100 kilos.

CUBEBS are offered at m.55 per kilo.

ELEMI is m.25 to 27 per kilo., according to amount and quality.

GRAINS OF PARADISE.—With the exception of 100 kilos. our consignment has been disposed of. Order of 100 kilos. offered at m.20; for smaller amounts at m.22 per kilo.

IPECACUANHA.—Rio deserves attention at m.210 to m.215 per kilo., cut m.255, and powdered m.265.

JALAP.—Vera Cruz druggists' quality is m.24; with a content of 9 to 10 per cent. resin, m.45 per kilo.

KAMALA.—Natural extra fine is offered at m.160 per kilo. in original bags. Sifted, about 17 to 18 per cent., at m.225 per kilo.

LOBELIA.—July arrival offered at m.100 per kilo. Can also be supplied in packets of 250 grams at a much higher price.

MENTHOL.—Kobayashi-Suzuki is m.600 to m.610; single tins at m.625 per kilo. New arrivals will be dearer.

NUX VOMICA.—A delivery has just arrived; m.17.75 per kilo.

PATCHOULI LEAVES.—The consignment we received is being rapidly cleared, and new arrivals are not due for some time. Spot leaves can be supplied at m.40 per kilo. for orders of 200 kilos., smaller amounts at m.42, 150 kilos. of stalky at m.35, broken bulk at m.38 per kilo.

QUILLAIA.—A consignment has just arrived, and for orders of one ton is offered at m.8.75, for orders of three to five tons m.8.50 per kilo., gross for net. Cut in cubes, sifted, on orders for one ton, m.9.65; for 500 kilos., m.9.75; for smaller amounts, m.10 per kilo., gross for net.

SENEGA.—A few hundred kilos. of a shipment expected to arrive shortly are offered at m.95 per kilo. As this is a consignment the price will depend upon the dollar exchange on receipt of order.

TARTARIC ACID.—First quality powder, free from lead, is m.34.75 and crystals m.35.50 per kilo. Orders for less than 50 kilos. entail an extra charge of m.2.50 per kilo. For export the price is m.36.50 for powder and m.38 for crystals per kilo. free to frontier.

VANILLIN, for orders of 5 to 10 kilos., is offered at m.830; for larger amounts, m.825 per kilo. For export the price is the same.

Lavender Oil Fair

THE Lavender Oil Fair, which will be held this year at Digne, beginning October 1, will be of particular importance owing to the new problems which beset trade and industry in lavender. To aid producers and distillers, perfumers and buyers throughout the whole world are invited to take part. Publicity is given otherwise to attract to Digne all the important buyers. The "Office Agricole des Basses-Alpes" has also decided to call a Lavender Congress at the same time, whose programme will be published daily. Important questions will be discussed, in particular, the means of remedying the lack of sale of the oil, the best methods of cultivation and distillation, the protection of the pure oil, etc. Several conferences will be held by specialists in lavender. The "Office Agricole" is relying on the presence of numerous personalities of the scientific and industrial world. Further information may be obtained from M. le Directeur des Services Agricoles à Digne (Basses-Alpes).

German Spirit Monopoly

THE Government Control Board of the German Alcohol Monopoly assesses the consumption of alcohol during the present year as follows:

For the preparation of alcoholic beverages, 40,000,000 litres.

Denatured alcohol for household uses, 40,000,000 litres.

Denatured and partially denatured alcohol for industrial purposes, 50,000,000 litres.

Alcohol for use in pharmacies and for the manufacture of perfumery, 7,600,000 litres.

Alcohol for the manufacture of vinegar, 14,400,000 litres.

This total amount of 152,000,000 litres of available alcohol falls far short of the requirements, the deficit being estimated at about 100,000,000 litres, and it is feared that Germany will be compelled to purchase alcohol abroad. Fears are being entertained in Germany that the Allies propose to create a separate alcohol monopoly in the occupied territory whereby the consumers in that part of Germany will be compelled to purchase their supplies in the Allied countries. This is based on the new regulations issued by the Rhine Commission, according to which the consumers of alcohol in the occupied territories are to form syndicates, while the producers of alcohol will on their part also form a syndicate. The consumers' syndicates will form a purchasing board, and will acquire the alcohol required by its members from the producers' syndicate at prices which will be fixed by the Alcohol Committee to be appointed by the Rhineland Commission. The manufacture as well as the utilisation and exportation of alcohol are placed under the control of this Allied committee, from which permission must be obtained for each transaction. The stocks of alcohol belonging to the German Monopoly at present in the occupied territories will be handed over to the consumers' purchasing board under conditions yet to be elaborated by the Allied Alcohol Committee.

English Herb Crops

William Ransom & Son, Ltd., Hitchin, write that the *lavender* crop on the whole looks very well, the dry weather having suited it, and if this continues the quality of the oil should be above the average. There is, however, not a large acreage in this district now, so the yield will not be great. The season has not been a good one for *peppermint* owing to the drought, but here again our plants look very fair, and should we have rain before long we think we shall have a fair amount of oil. The crop of *chamomile*, owing to the drought, is extremely short, and it is doubtful if we shall have much oil to offer.

Potter & Clarke, Ltd., write that all the crops are good at their herb farm, Carshalton. Owing to the dry weather they have been able to dispense with artificial heat in the drying sheds, and plants have been harvested earlier than usual. There is a remarkable absence of blight. Wormwood, comfrey, marshmallow, southernwood, tansy, horehound, hyssop, celandine, balm, and feverfew will be good crops. Sage, thyme, peppermint, spearmint, rue, and calendula will be light; but pennyroyal, scullcap, and chamomiles will be a failure unless rain comes speedily.

Joseph Seymour, Holbeach, writes that he had a lot of trouble to get the new *peppermint* plants to grow owing to the dry weather. Second and third year plants are very small, not being more than five inches in height, whereas the usual height at this period of the year is ten to twelve inches. The crops will be much below the average.

Stafford Allen & Sons, Ltd., write that after investigating conditions at their farms they are able to report as follows: "The continued drought is having a marked effect on most of the medicinal crops, some of which are suffering rather badly. *Belladonna* has been a fair crop, and the leaves are quite up to their normal alkaloidal value. There has been a good crop of *henbane*, and satisfactory supplies of flowering tops have been dried, as well as the leaf answering the requirements of the B.P., 1914. *Dill seed* is very short on the straw, and badly needs rain. *Chamomile* is well in flower, but the crop is poor. *Peppermint* also is suffering from the drought, but the oil should be of good quality. *Lavender* looks very well considering the dry time. Distillation will start earlier than usual. *Aconite* and *valerian* have been average crops, and *foxglove* is rather poor owing to the lack of rain.

Hollands Distillery (Essential Oils), Ltd., write as follows: The acreage under *peppermint* cultivation this season was slightly in excess of last year, and, had the weather been normal, would have produced a moderate yield of oil. Unfortunately, owing to the long drought experienced, the plants have been retarded in growth, and in some instances were so small that several acres were ploughed in. There are, however, some very nice fields of peppermint which, although small in growth, are strong and healthy looking, and will give a good yield of oil when distilled. If fine, dry weather is experienced at harvest time we expect a fair yield of oil, but should we have a long and continued spell of rain in August, similar to last year, we fear that the leaf will suffer. However, we believe that a fair yield will result, and price will be round about 90*s*. per lb. for the genuine oil. The cutting of the *lavender* for bunching will commence next week, and will fetch the same price as last season. The acreage of lavender left for distilling in August will be very small, and there will not be more than a dozen quarts of oil distilled in Surrey. A better price can be secured for the bloom on the market than can be obtained from distillation, as 240*s*. per lb. for the oil is equivalent to 2*s*. per bunch for the flowers. The lavender is in full bloom. There is only a very small quantity of *chamomile* under cultivation, sufficient to maintain a stock. The demand for English chamomile is so small that growers are replacing their acreage with more profitable crops. The yield of oil will only reach a few quarts.

Correspondence

Letters for this section should be written on one side of the paper only. The writer may adopt an assumed name for purposes of publication, but he must in all cases furnish his real name and address to the Editor.

Modern Business Methods

SIR,—I have, on my back counter, three small parcels of goods, with invoices, which have been sent by wholesale and manufacturing firms, for which I have sent no order or request whatever. Is this procedure at present, or likely to become, a recognised form of British business methods? I know it can be firmly and fairly met as an outrage on liberty by returning the stuff, carriage forward, and without explanation, but most of us shrink from discourtesy. The weight of opinion expressed by correspondents in the *C. & D.* is always a sure guide, and I ask it on this matter. THOS. POSTLETHWAITE.

Portsmouth.

Impressions of London

SIR,—I have just returned from a trip to your "town," and I had no difficulty in reaching the conclusion that there is a lot of business to be done with a very nice public, but very few chemists of the right sort to do it. There are lots of professionals in drug shops and very few salesmen or commercial chemists in the parts of London round which I "loafed." Out of about fifty shops I entered I found only two men who were really genial human beings possessed of the power to bring one back, not but that all were willing to serve, as the P.O. miss is willing to hand you a stamp for 2*d.*—money first, please! Professionalism is all very good in its place.

Yours truly,
J. F. G. (9/7).

The New Postal Rates

SIR,—In your Note (*C. & D.*, June 25, p. 107) you draw welcome attention to the new postal rates. There are still a large number of business men who are apparently under the impression that order forms and so on have been exempted; wholesale houses are not the only ones who are affected by neglect in this matter, as invoices and statements are still being received insufficiently stamped and the retailer has to pay the surcharge. My experience is that the wholesaler promptly adds the penny to the next invoice, so that to put oneself right it is necessary to save the envelope and enclose it when paying the statement, with the amount deducted.

Yours faithfully,
SURCHARGED (25/6).

SIR,—I have just received a circular, posted in France, from an enterprising firm, with an expression of satisfaction on their part at the postage money they have saved by so doing. As I object to English money going to foreign postal authorities at the expense of our own revenue, and also to firms and individuals saving their own pockets at the expense of those who realise that the revenue of the country must be obtained somewhere, I am not ordering from the firm in question, and shall not support this or any other firm which tries to save a few paltry pounds at the country's expense.

Yours faithfully,
COUNTRY FIRST (12/7).

"Dangerous Drugs" Legislation

SIR,—The account of the legislation relating to "dangerous drugs" in various countries is interesting to us at the present time, but it must always be borne in mind that the conditions in these countries are different from those obtaining in England, the fundamental difference being the restriction of dispensing to pharmacists and prescribing to doctors, so that the new regulations do not carry the same objections abroad as they do at home. It is often said that pharmacy is the handmaiden of medicine, but it might well be termed the scullery-maid in this country, for no other body of trained men would be so consistently snubbed as we are without protest. Why, on looking through the current events of the week, the fact is patent to all. A question was asked in Parliament as to whether our contention that the Dangerous Drugs Regulations were *ultra vires* had been investigated, and it is established that, although our objection is so well founded that the Committee admitted that it would require a judicial authority to settle it, the Home Department has no intention of investigating the matter. Would the doctors or the lawyers be content with such a ruling? Then, again, in a Court case at Colchester a pharmacist who is admittedly an expert analyst is referred to as a man able to serve Beecham's pills, a pill-seller evidently being incapable of conducting a scientific process. These instances show the general attitude of officials and others towards pharmacists, and all for the want of a strong society. The Pharmaceutical Society, whose charter of incorporation expressly included "the protection of those who carry on the business of chemists and druggists," has miserably failed in its primary object, and, now that the chemists and druggists in business are supporting a body which they hope will be able to do this work, the Society appoint a committee to investigate its relationship to the old associations. It is to be hoped that they will not get their fingers into the new pie, or it will prove as unsustaining nourishment as the old diet.

Yours faithfully,
SNUBBED ALWAYS (19/9).

Drugs and Dysentery

SIR,—Some instructive correspondence, originated by the late Dr. J. C. McWalter, appeared in the *C. & D.* last year under the above heading, and as the subject is one of considerable interest to many readers, both at home and abroad, I venture to call attention to an article in the June number of the "Journal of the Royal Army Medical Corps," which reports the treatment of amœbic dysentery in the University War Hospital at Southampton during the years 1918-1919. The treatment recommended is chlorodyne ♏x. at bedtime, followed half an hour later by emetine bismuthous iodide gr. iij. in emulsion in liquid paraffin ℥ss. This medication was repeated nightly for twelve days. The effects were remarkably good, as only 13 per cent. of the cases relapsed. When the E.B.I. (as it is called) treatment failed, one gram of emetine hydrochloride was given hypodermically for twelve nights. Three out of five of the relapsed cases cleared up under this course. The success of this method may be of special interest to those *C. & D.* readers who have been attracted by the "Lure of the Orient."

Yours sincerely,
M.D., L.P.S.I. (11/7).

The "London Chemists' Retail Price List"

SIR,—Our attention has been drawn to a letter appearing in your issue of July 9. May we point out that the July number of the "London Chemists' Retail Price List" was duly issued, showing changes in the prices for the month, and sent to the subscribers as hitherto, it being the intention of the publishers to maintain the well-known features of this publication in the future, and your readers can continue to depend upon its accuracy and reliability as in the past?—Yours faithfully,

THE LONDON CHEMISTS' RETAIL PRICE LIST.
F. Waddington, Manager.

Mr. George F. Weiss, 180 Philip Lane, London, N. 15, referring to his letter in this column last week, asks us to explain that the July list which some subscribers to the "London Chemists' Retail Price List" have received is not the one mentioned in his letter. The reconstructed list which will be issued by the London chemists' associations in August will be founded on the London Costing System devised for the associations by Messrs. Skinner, Hearle, Keith, and Weiss.

The Decline of Prescribing

SIR,—The statement that "Jay Mack" quotes in his letter (*C. & D.*, July 9, p. 68), as made by Sir William Hodgson, M.D., that "the methods of medication have

entirely altered, yet many chemists do not seem to be aware of the fact," prompts me to ask what opportunities the retail pharmacist has of practising such modern methods in business. Before the National Insurance Act was passed the majority of us had little dispensing to do at all, and since then, although we have considerably more work in this respect, the modern methods are conspicuous by their absence. At least ninety-nine out of every hundred Insurance scripts are for such hardy old stagers as "mist. alb.," "mist. gent. alk.," "lin. alb.," etc., and however efficacious they may have been in the past they can hardly be described as modern. Where, then, is all this up-to-date treatment of which we are supposed to be ignorant, or is it just possible that the local G.P. is in the same boat as the chemist in this respect, and sticks to antiquated methods, until in good time the patient, becoming worse, is sent to some hospital or institution for the modern treatment, frequently too late? With regard to the percentage of failures in the Qualifying examination, it has been an accepted fact for many years that the number of passes averaged about one-third of the entries, and it is also an accepted fact, at any rate amongst students and assistants, that some men who are practically useless in the retail get through easily, whereas other men who are quite reliable are often unable to pass the test. Whether it is due to nerves, memory, or what is the question to be solved, but personally I think it could be resolved into the difference between the academic and the commercial mind. As an instance of this I may point to "Jay Mack's" remark that out of ten Fairchild Scholars only two remained in the retail. These men are presumably the brains of the trade to have won such a scholarship, and this may be due to the fact of what I term the academic mind choosing to go in for some career where the scientific side is predominant. As further evidence one could point to the number of men who, after taking their pharmaceutical examinations, go on to research work, food and drugs analysis, lecturers in schools of pharmacy, and similar work, in preference to going back to the retail.

Yours truly,

EN DÉTAIL (11/7).

The Future of Local Associations

SIR,—With regard to the discussion as to the relative positions of the local branches of the Retail Pharmacists' Union and the local associations, I had no wish to confuse the issue, nor do I think that, as "Xrayser II." says, I have done so. Whichever way one looks at the matter certain fundamental facts remain constant, and the principal one is this: That in any given district there are one or two individuals who enjoy (whether for financial reasons or by employing larger staffs and having more spare time and so on) much greater facilities than the rest of us for holding official positions in these bodies. In the past these favoured pharmacists have been Presidents and Vice-Presidents, etc., of the local associations, and now they become almost automatically the corresponding officials of the Retail Pharmacists' Union, and if all these bodies were scrapped to-day and an entirely new scheme started the voice would still be the voice of Jacob. Now "Xrayser II." knows probably much better than I do that officials of the old associations, especially those with ambitious eyes on the seats of the mighty at No. 17, were apt to be much imbued with the Council manner, and it is just this which we wish to get away from and to avoid transfusion of into the new body. The little breeze between Mr. Noble and the President at the annual meeting sheds an illuminating light on the Square attitude to local members. "There will be no need for the Council to dictate to North London if North London does not differ from the policy of the Council." In other words, you are a very good dog so long as you follow at heel, but if you dare to run on in front you will be called to order promptly. And as the Council are practically seccotined to their seats, they make their own policy and brook no interference or even advice.

Yours faithfully,

A. M. FIBIOUS (20/5).

Dispensing Difficulties and Notes

Mercuric Lotion

SIR,—I should like to know your opinion as to how the following prescription should be compounded:

Hydrarg. iodid. rub. ... gr. iv.
Aquæ dest. ad ... ... ℥xij.
Ft. lotion.

Yours truly,

H. C. M. (19/9).

[The usual method of compounding this lotion is to employ potassium iodide in equal weight with the mercuric iodide, which by itself is quite insoluble in water. Solutions of this description are in frequent demand by prescription. Instead of being written as this one is, a common form is "sol. hydrarg. iod. rub. 1 in 2,000," the strength varying with the requirement.]

Valerianate Pills

SIR,—Could you inform me as to the best method for dealing with the following prescription?

Zinci valerian.
Ferri valerian.
Amm. valerian. ... aa. gr. j.
Ft. pil. j.

Yours faithfully,

C. O. L. (2/7).

[The simplest method of compounding this pill seems to be to add 2 grains of dry powdered liquorice root, which produces a mass of nice consistence, which becomes firmer on standing. While adding to the size of the pill, the liquorice in no way interferes with the activity of any of the constituents. Drying the ammonium valerianate, while rather a "whiffy" process, would probably lead to decomposition of the salt, and the pill would not be much smaller, as in this case also an excipient would be required.]

An Intractable Mixture

SIR,—In dispensing the enclosed prescription, all seems to go well until the syr. ferri iod. is added, when a semi-solid lump falls down which cannot be diffused in the mixture.

Yours faithfully,

GUAIACUM (7/2).

Calcii glycerophos.
Sod. bromid. ... ... aa. ʒiiss.
Quin. bisulph. ... ... ʒiss.
Liq. arsen. (Fowl.) ... ... ♏xlv.
Syr. ferri iodid. ... ... ℥ij.
Aq. ad ... ... ℥viij.

[The precipitate is glycerophosphate of quinine, which is greatly in excess of its solubility in the water present. The tough, pasty nature of the precipitate renders it unworkable. It will not shake up or diffuse, and owing to its bulky nature it is scarcely amenable to the customary methods of suspension by means of gum. The procedure which produces a mixture that can be taken with fairly equal division of the constituents is to place the salts in a mortar and mix with them about 40 grains of gum acacia and 24 grains of tragacanth; then add the liquids, previously mixed together, gradually with continuous trituration. The mixture so produced is not attractive, but is the best that can be made of the combination, which is a very bad one.]

Eye Drops

SIR,—Will you kindly let me know your opinion of the following prescription?

Pilocarpin. nit. ... ... 1 per cent.
Cocain. hydrochlor.... ... 1 per cent.
Argyrol ... ... 2 per cent.
Sol. adrenalin ... ... ʒij.

Sig.: One drop to be instilled into the eyes three times a day.

It has been dispensed on several occasions by a chemist for our medical superintendent, and each time it has been a colourless solution. I maintain that the argyrol is incompatible with the cocain. hydrochlor., and

also with the sodium chloride in the adrenalin solution. I quite fail to see how it can be a colourless solution if the argyrol is included. Yours truly,

J. H. S. (14/1).

[When compounded the resultant product consists of a heavy granular blackish-brown precipitate and a clear supernatant liquid. Most likely the compounder in the instance mentioned rejected the precipitate and dispensed the clear liquid—probably the wise way of dealing with the compound. The precipitate, while probably inert, might be objectionable on mechanical grounds, even if it could be instilled into the eye. As the precipitate appears to be silver oxide, there is more incompatibility than between the argyrol and the cocaine hydrochloride. Adrenalin, as you can readily suppose, reduces silver salts.]

Legal Queries

Cæsar (11/7).—Full particulars regarding the method of registering trade-marks and obtaining patents are given in *The Chemist and Druggist Diary.*

H. G. H. (6/7) asks whether his apprentice, aged seventeen, must be insured under the Unemployment Insurance scheme. [The lad must be insured, as he is not under sixteen.]

T. H. H. J. (12/7), who is a chemist's assistant earning 260*l.* a year, asks whether he must be insured under either the National Health Insurance or the Unemployment Insurance schemes. [As his remuneration exceeds 250*l.* per annum, and he is not employed "by way of manual labour," "T. H. H. J." is not affected by either of the schemes of insurance.]

Revirexo (9/7).—The reply to your inquiry regarding the position of the qualified chemist in a limited company carrying on the business of a chemist and druggist depends upon whether the company uses the title "chemist." If it does, the superintendent must be a director. If the company does not use the title, it is sufficient that the superintendent is a qualified chemist and controls and manages the business so far as it relates to the keeping, retailing, and dispensing of poisons.

G. H. C. (2/7) bought his business premises in 1919, having previously paid for them a rent of 40*l.* per annum. The assessment upon the property for the purpose of rates has just been increased from 33*l.* 5*s.* to 46*l.* 10*s.* Is this increase in accordance with the Increase of Rent Act, 1920? [The Act no longer applies to premises used for business purposes only, and having regard to the considerably higher rents now obtainable for such property, we doubt whether "G. H. C." would succeed in getting the assessment reduced even if he goes to the trouble of appealing.]

Miscellaneous Inquiries

When samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for and how. We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

F. W. C. (21/6).—Grease-proof Boxes.—The following is the composition used for painting the interior of cardboard or wooden boxes to make them grease-proof :

Fish glue	1 lb.
Resin	¼ oz.
Litharge	½ oz.
Glycerin	½ oz.
Kaolin	½ oz.
Water	40 oz.

Boil the glycerin, litharge, and part of the water together to dissolve, then mix in the other ingredients. The liquid is applied to the inside of the boxes with a brush and allowed to dry.

Another formula consists of kaolin made into a cream with water-glass.

C. H. (11/7).—Sodium Salicylate Tablets.—The best method of preparing sodium salicylate for compression is to use, as an adhesive, gelatin or best white glue solution, 15 per cent., and as a disintegrator, 15 to 20 per cent. of starch powder. After drying and sifting use a No. 12 granulator, the finer particles which pass being reserved for subsequent treatment. The lubricant used for compression is oil (1 per cent.), talcum (3 per cent.), and starch (2 per cent.).

W. N. T. (20/6).—(1) Solutio Acetatis Aluminici. Pharm. Nederlandica, IV. This contains 7.5 to 8 parts of basic aluminium acetate in solution in 92.5 to 92 parts of water. The formula is :

Dissolve

Aluminium sulphate ...	30 parts

in

Water	80 parts;

then add

Acetic acid (30 per cent.)	36 parts

and gradually, with constant agitation,

Calcium carbonate ...	13 parts

mixed with

Water	20 parts

After mixing, allow the whole to stand for twenty-four hours, then pass through a cloth, express, and filter. Sp. gr. 1.044 to 1.046.

(2) Solutio Acetatis Aluminici Burowii.

Dissolve

Alum	22 parts

in

Water	500 parts

Add to this solution

Solution of basic lead acetate	100 parts

previously diluted with

Water	378 parts

A cloudy liquid, which on standing deposits a heavy white sediment, and contains about 1 per cent. of basic aluminium acetate. This is used for the extemporaneous preparation of Burow's solution.

E. J. L. (1/7).—Action of Ointment on Tin Containers.—You should treat the top edges of the tinned boxes where the iron is exposed with melted paraffin wax so as to keep the surface from contact with the salicylic ointment to which you refer. The best way would be to heat the tins, fill them with melted paraffin, and empty out the wax at once. This should leave a sufficiently thick neutral coating to prevent the chemical action which is causing trouble.

Retrospect of Fifty Years Ago

Reprinted from "The Chemist and Druggist," July 15, 1871

Privy Council Pharmacy Bill

We need make no apology for the prominence of "Parliamentary Pharmacy" in the succeeding pages of this number. Chemists and druggists all over the country, and with almost one consent, have joined with their whole energy in the endeavour to defeat the partial and ill-considered measure which the Medical Department of the Privy Council would have imposed upon them. The opposition has been so general, so evidently sincere, so manly, and at the same time so respectful, that it has not failed to exercise considerable influence on the Government, and still more on many private members. We cordially join with the great majority of the trade in entreating the Vice-President of the Privy Council to withdraw the Bill. If he is not willing to admit that the education of chemists is the best and only effectual guarantee for public safety, he must perceive that it is unjust and unwise to establish a check upon one section of dispensers which is not applied to all. The chemists and druggists are far more directly interested in the prevention of accidental poisoning than it is possible for the Privy Council to be. But they view with natural and honest jealousy any attempt to interfere with their independence, especially when that interference is likely unfairly and injuriously to influence the opinion of the public.

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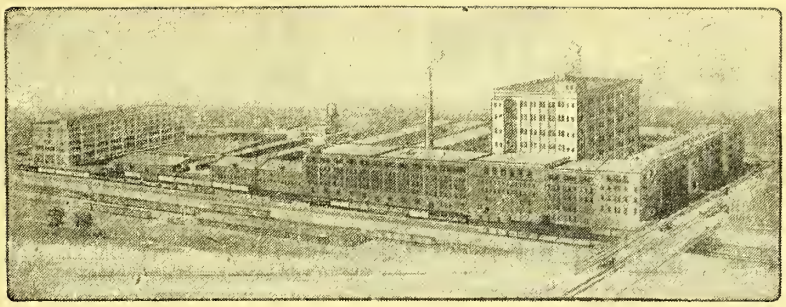

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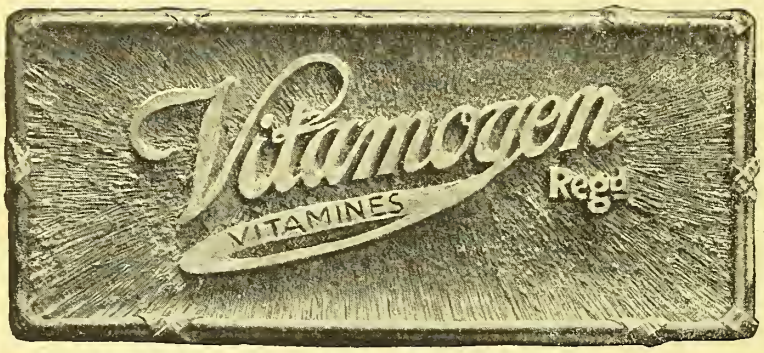

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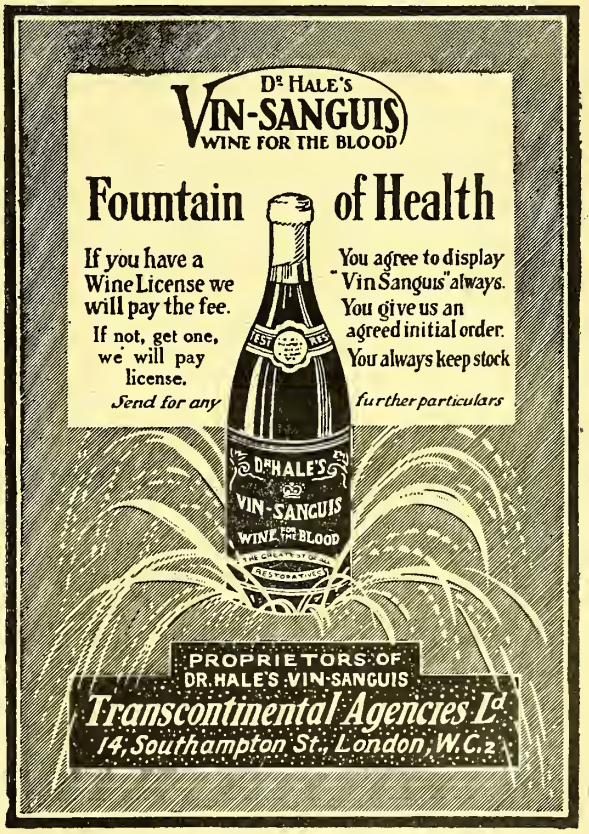

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10 Thermometers for **20/-** List Price **£1 4 4**

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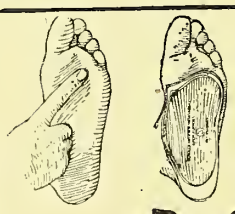
"SWIMEESY BUOYS"

are a reliable swimming device that will bring you EXTRA SALES during the SUMMER MONTHS in all districts possessing bathing facilities.
No awkward sizes to stock—no changing fashions to study.
Stock occupies little space and does not deteriorate.
No waste—No packing costs.
BRITISH MADE—in TWO STYLES—
Plain Tints (assorted).
Butterfly Wing (full colours).

PRICES REDUCED

Send your Trade Card for Samples.

DEAN'S RAG BOOK CO., Ltd., Elephant & Castle, London, S.E.1



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can be instantly and finally corrected by the use of Dr Scholl's Anterior Metatarsal Arch Supports which are specially constructed to deal with ailments at the ball of the foot.

Dr Scholl's
Foot Comfort Appliances

are being widely advertised in all the leading newspapers and periodicals. Are you in a position to handle the increased demand created by this National Advertising Campaign?

Write to-day for Illustrated Catalogue.

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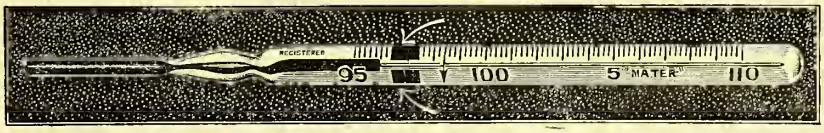
GUARANTEED CLINICAL THERMOMETERS

The "MATER" Improved Magnifying-front Clinical Thermometer.

REGISTERED No. 553038



MERCURY COLUMN SEEN AT A GLANCE.
Made in Three Rapidities: Ordinary, 1 Minute & ½ Minute.

X **The "MATER" Clinical Thermometer offers the Pharmacist the largest margin of Profit as Retail Prices are fixed by the** X

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FULL CATALOGUE of CLINICAL (39 different types) and of THERMOMETERS for all purposes sent FREE on application.

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Established 1852. Contractors to H.M. Government.
Telephone: 724 Holborn. Telegrams: "Optimus, Smith, London."

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TOP VALUE IN

Bathing Caps

CHECK WATERPROOF, CIRCULAR, 8/- doz.

ALL-RUBBER Fancy designs from 10/6 doz.

ALL-RUBBER Helmet Shape STOCKINETTE BANDS from 20/- doz.

SPONGE BAGS from 4/6 doz.

WATER WINGS from 15/- doz.

A postcard will bring you samples on approval.

SPECIAL VALUE—Oiled SILK Sponge Bags.

Size	1	2	3	4	5	6
	6/-	7/-	8/6	10/-	12/-	15/- per dozen.

SURGICAL RUBBER GOODS of all kinds.

JAMES TOMPKINS, LTD.
THE RUBBER HOUSE.
386 City Road - LONDON, E.C. 1.
Established 44 years. Phone: City 7640.

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THE ORIGINAL

Boracic Socks

Fixed Selling Price, 6d. per pair.
Cost, 4/- per dozen.
Six dozen lots, 46/- per gross.

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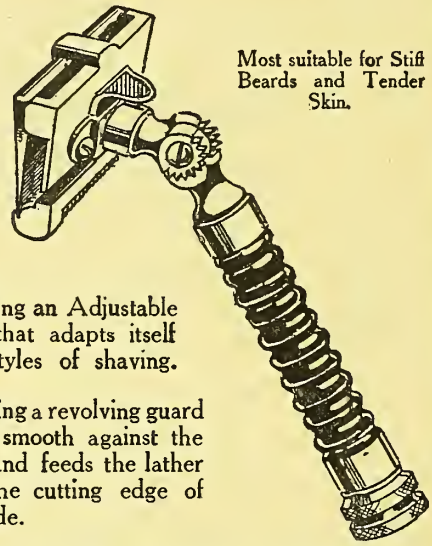
For Sample Pair (state size) send Postcard to—

The Curasol Sock Co.
19/20 Garlick Hill - - LONDON, E.C.4.

THE WILKINSON SWORD CO. LTD.,

of **53 PALL MALL, LONDON,** *are the only manufacturers of the*

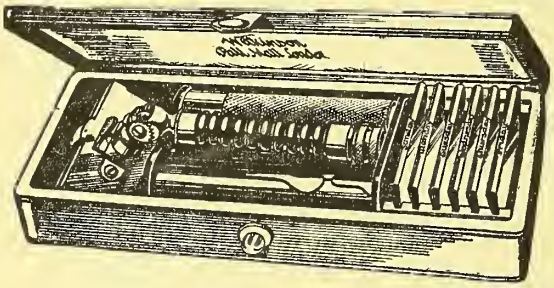
WILKINSON NEW MODEL SAFETY SHAVER.



Most suitable for Stiff Beards and Tender Skin.

In neat Leather Case with SEVEN real lasting SOLID BLADES.

THERE'S A POWER BEHIND EACH EDGE.



Possessing an Adjustable Head that adapts itself to all styles of shaving.

Possessing a revolving guard that is smooth against the cheek and feeds the lather on to the cutting edge of the blade.

THE MOST UP-TO-DATE SHAVER IN THE WORLD.

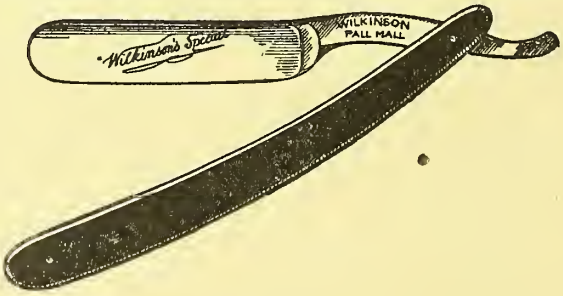
WILKINSON'S CELEBRATED SWORD-STEEL RAZORS

SWORD STICKS

IN LARGE VARIETY.

Are famous throughout the world, and are renowned for their SUPERFINE EDGE.

"SPECIAL." "W. & CROWN." "LANCE."



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INDIA RUBBER
BATHING CAPS

No. 3363 Blue & Gold
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23/6 per dozen.

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23/6 per dozen

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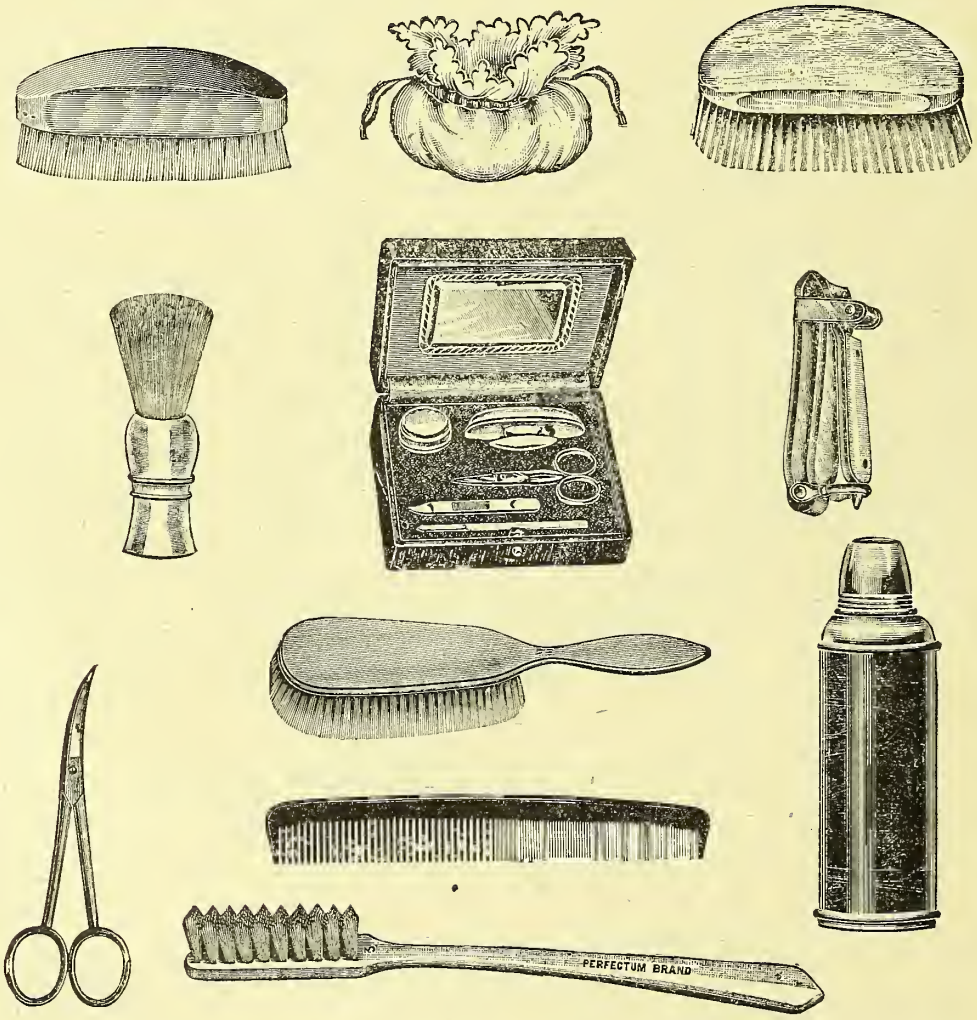

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THE PERFECT FORMULA: BISMUTH, MAGNESIA, SODII SULPHOCARB. & SOD. BICARB.

"RED BAND"

BISMUTHATED MAGNESIA

IN THREE SIZES:

Exceptional Profits	4½d.	per	9d.	box	1/3 (Peppermint)	Satisfied Customers
	Cost 30/-	per	60/-	gross	99/-	

Bonus on all orders of ½ gross and upwards. (1 dozen with every gross ordered)

Carriage Paid 30/- Carriage Paid 30/-

Give your Customer the Best, and that will always be "RED BAND."

We now also pack the heavier Bismuthated Magnesia, "Red Band" Formula, in Bottles, selling at 1/3 and 2/3 Peppermint Sweetened, nicely packed in half-dozen show boxes.
Cost 96/- 180/- per gross net.

Special Bonus of 1 bottle with each dozen ordered for quantities 6 dozen and over.
Tablets can also be had. 7/9 dozen net, neatly boxed.

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Theobromine Soda-Salicylate

(Chemically the same as Diuretin of the Ph.N.IV.)
THEOBROMINE PURE ALKALOID
CAFFEINE AND COMPOUNDS
Societeit voor Chemische Industrie "Katwijk"
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Importer for the United Kingdom—
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Chlorate of Potash
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Perchlorate of Potash
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SOCIÉTÉ D'ELECTRO-CHIMIE ET D'ELECTRO-METALLURGIE
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SOLAZZI IS PRE-EMINENTLY THE CHEMIST'S BRAND LIQUORICE JUICE

BECAUSE

1 IT IS RECOGNISED AS SUCH BY THE LEADING MEDICAL JOURNALS.

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3 THE SALE IS HELPED BY STEADY AND INTELLIGENT ADVERTISING.
ASK YOUR WHOLESALER FOR OUR LATEST HANDBILL.
IT WILL INTEREST YOU AND IT WILL INTEREST YOUR CUSTOMERS.

The **W** *Brand of Hand-Moulded*

BOTTLES

AND

MEDICAL GLASSWARE

Free from dangerous "frosted glass."

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Finest Quality Dispensing Bottles, Poisons, Cheltenhams, Chest Squares, Shop Rounds, and Bottles for Proprietary articles, in various colours. Feeding Bottles and Sterilizing Milk Bottles in Heat - Resistant Glass.

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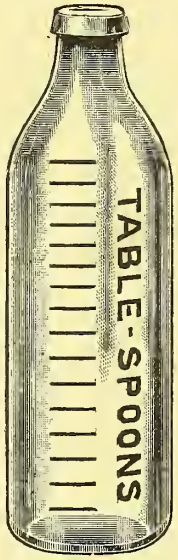


STERILIZING MILK BOTTLE.

DISPENSING BOTTLE.

Wholesale only—

WOOD BROS. GLASS CO. LIMITED,

(Established 1828) BARNSLEY, ENGLAND.

BEATSON'S BOTTLES

Beatson's Bottles were first made in 1751

GLASSWARE FOR CHEMISTS.

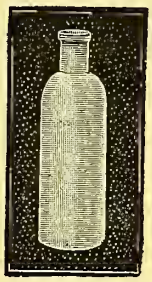
BEATSON, CLARK & CO., Ltd.
GLASSWORKS,
ROTHERHAM.

THE TRADE CENTRE IN GLASSWARE.

NEARLY all your requirements in stock.

Jules Lang & Son are in the position to supply nearly every trade requisite in glass immediately from their various London and Provincial depots. Look around and see what you are wanting, then write, phone or wire us.

KALI



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Bottles, Jars, Chemical and Laboratory Glassware in immense variety.

Narrow-mouth SHOP ROUND

MEDICAL

Wholesale ONLY. **JULES LANG & SON** No RETAIL Firms supplied.

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Glass Bottles of every type in stock.

Flats, Panels, Rounds, Kalis, Pomades, Vials, Boat-shape Feeders, etc.

SEND US YOUR ENQUIRIES. WHOLESALE ONLY.

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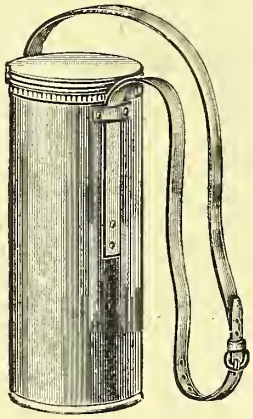
We Specialise in Seals, Labels and Showcards for the Chemist and Perfumery Trades.

WALSALL LITHOGRAPHIC CO., Vicarage Place & Mountrath St., WALSALL

The Coal Strike is over, & the Trade Boom is about to Start

"ELSWAL" REG. TRADE MARK



Order at once for the Holidays, and after that for Xmas Gifts.

WE CAN HELP YOU

SELL YOUR VACUUM FLASKS

Many people will not try a flask, because they break easily, and have not been able to procure a suitable holder at a reasonable price.

We offer just the thing, and the demands we are having prove that it is so.

Prices: 1 pint **36/-** doz. 1 quart **44/-** doz.

TO BE OBTAINED FROM ALL WHOLESALE HOUSES.

HAS PROVED TO BE A GREAT SELLING LINE.
ONLY CASE LIKE IT ON THE MARKET.
LOOKS LIKE LEATHER.
DOES PROTECT THE FLASK.
EVERYONE WANTS ONE.
RELIABLE IN EVERY WAY.

EELES, WALKER & CO., LTD.

THE CRESCENT, CAMBRIDGE STREET, BIRMINGHAM.

Telegrams: "ELSWAL B'HAM." Phone: CENTRAL 5324.
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Can your Corks stand this?

PUSHED in, twisted, pulled out, rammed in again, forced home against the counter—time after time—without snapping! Can your Corks stand this? If they can't, get into touch with the firm that supplies Corks that *can.*

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Represent the most your money can buy—anywhere. Try them and see. A businesslike offer. If you're not satisfied, ask for your money back!

N. W. Mitchell & Sons, Ltd.

"The Cork Firm."

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BOXES

For the Chemist, Druggist and Sundriesman.

Send your Sizes or Samples, and we will quote you by return. No order too small. No order too large. We *KNOW* your wants and will fit you.

J. DAVIDSON,

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The Northern Tin Canister Works,

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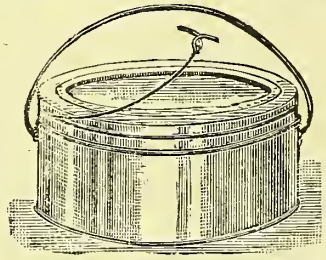

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TIGHT SEAMING & VARNISH BOTTLES A SPECIALITY.

Prompt Deliveries Assured.

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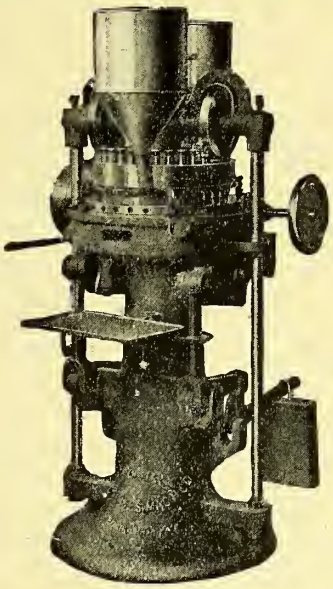

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Your Tablet Machine is a paying proposition just so long as it is working. Every hour it is down either for repair or adjustment means an actual loss of earnings. This loss can be practically eliminated by putting down **STOKES ROTARY MACHINES.**

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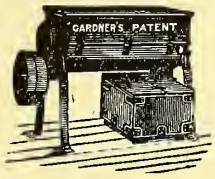

OVER 6,000 working in almost every Trade where POWDERS are Sifted and Mixed and Lumps Reduced, all being done at one operation and without loss by dust.

FOR HAND OR POWER.

CATALOGUES FREE.

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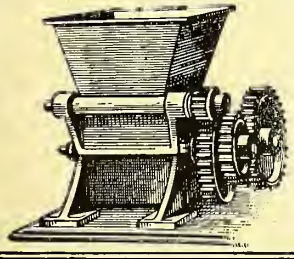
THE **GRIMSLEY** MIXER FOR PILL MASSES

And complete installation for manufacture of Pills, etc.



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EARLY DELIVERY.

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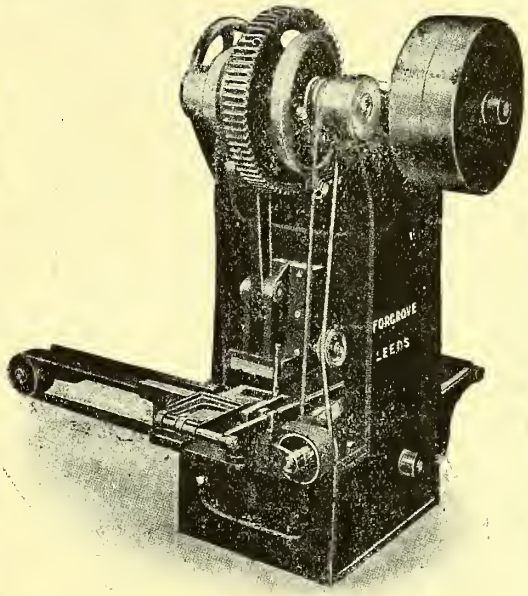
St. George's Engineering Works, Queen Street, LEICESTER (1)



SOAP STAMPING MACHINES.

Output, 50 pieces per minute.

THE FORGROVE MACHINERY CO., LTD.
DEWSBURY ROAD, LEEDS.

THE ORIGINAL

HUNT'S BOTTLE CAPS

To fit all sizes of Bottles

To fit all sizes of Bottles

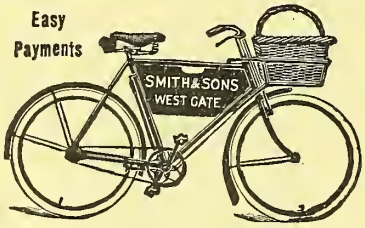
PAPER CASES for Capsules and the Lining of Tin Pastille Boxes. Samples on application.

From all Wholesale Houses or direct from the Sole Makers,

MANSELL, HUNT, CATTY & CO. LTD., LONDON, N.W.

The finest investment you can have, for the advertisement is worth the cost of the bicycle.

Easy Payments



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TWO STRONG BRAKES

WHEELS 26 × 1¾

WRITE FOR LIST

MOHAWK CYCLE CO., LTD.,
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ESTABLISHED 1839

CHEMISTS' OVERALLS

From GARDINER & CO.

We supply protective overalls in any colour or style required. They are made by experienced hands for all branches of the Chemical trade.

KHAKI DRILL	12/6, 16/11, 21/6, 24/6
WHITE DRILL	14/6, 17/6
BLACK DRILL	18/6
HOLLAND DRILL	19/6

Sizes 34, 36, 38, 40, 42 and 44 inches over waistcoat.
SPECIAL QUOTATIONS FOR QUANTITIES.

GARDINER & CO. (THE SCOTCH HOUSE) LTD.
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Teleg.: "Durastyle, Phone, London." Phone: Av. 6650 (4 lines).

WIRE CORKSCREWS

Gilt, Nickelled, Coppered, Lacquered
for Eau de Cologne, Medicine Bottles, Ink, etc. Also

Advertising Corkscrews

With wood sleeves, nickel and celluloid, and with wood handles.

BEST QUALITY. BEST PRICES.

Samples and prices on request.
Send your samples and let me quote.

A. F. TIMSON, 6 Rue Mathilde-Courbevoie (Seine), FRANCE.

SELF-FIXING
HERMETIC
WASHABLE
BOTTLE CAPS
ARE
ELEGANT
EFFICIENT
STRONGEST
CHEAPEST
and BEST.
IMMEDIATE DELIVERY.
CARRIAGE PAID.
The VISCOSE
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BROMLEY :: KENT.

Collapsible Tubes

The main factor in production costs to-day which is dear, not cheap, is labour. We have minimised the incidence of this factor by equipping our Works with the most up-to-date labour-saving machinery, hence we are able to combine as low prices as any house in the trade with the very highest quality and finish and the other attributes of our service which have rendered our name famous throughout the world for our specialities.

Betts & Co. Ld.
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London, N.1.
Established 1857.

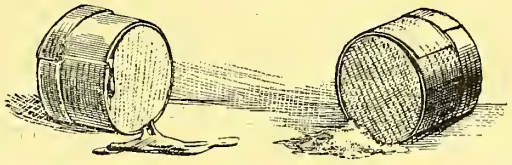
3

"Corruganza" SEAMLESS OINTMENT BOXES

Have replaced the old "Willow" boxes—Greaseproof—the bottoms cannot fall out.

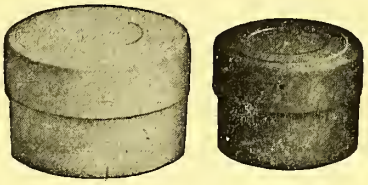
GERMAN "WILLOW" BOXES are again being offered at lower prices, but these boxes will not hold Powders, nor, in warm weather, Ointments.

THEY ARE DEAR AT ANY PRICE.



Stick to the ONE-PIECE principle

"Corruganza" SEAMLESS PILL BOXES.



THE phenomenal success of the "Corruganza" Seamless Ointment Boxes has induced us to offer a series of Pill Boxes made on the same **One-Piece** principle. Stocked in usual sizes.

They cost a little more than the Ring and Disc style, but THEY HOLD THE GOODS, and do not fall to pieces in handling or in the pocket.

Wholesale or Export only from

HUGH STEVENSON & SONS,
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And at Manchester, Birmingham, Leith, Perth & Glasgow.

Kindly mention this Journal when replying to the advertisement.

PURE ORANGE WINE
A. MILLAR & CO., LTD., DUBLIN

(VINUM AURANTII B.P.) Prepared in strict accordance with the Formula of the British Pharmacopœia. (Wholesale only.)
Samples from Head Office, Thomas Street, DUBLIN, or London Office, 43 Great Tower Street, LONDON, E.C.3.

FREDK. FINK & CO.,
10 & 11 MINCING LANE, LONDON, E.C. 3.
SPECIALITIES.—Gums Arabic and Tragacanth as imported or finely powdered.

PRECIPITATED CHALK
Lightest and Whitest, also Purest Dense
Aug. Levermore & Co., Ltd. 8-10 Gt. St. Helens, LONDON, E.C. 3.
Telegrams: "Levermore London." Telephone: Central 4613.

The RICE Patent ELASTIC **TRUSSES**
ADJUSTABLE. INTERCHANGEABLE PARTS.
PADS, Hard or Soft. Illustrated Catalogue Free.
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ATOMIZERS and SPRAYS
THE DEVILBISS CO., LIMITED
WEST DRAYTON, MIDDLESEX.

DON'T BUY RUBBER GOODS
before sending for catalogue of the famous ELARCO series, from—
THE LONDON RUBBER CO.
183 Aldersgate Street, London, E.C. 1.

CACHETS "FINOT"
(White or Coloured).
With inscriptions in any desired tint; also Plain or Embossed.
"A distinction all their own."—*C. & D.*
"Perfection of Cachets."—*Lancet.*
These Cachets are especially adapted for Headache, Neuralgia and other powders.
COOPER, SON & CO., Ltd., 80 Gloucester Road, SOUTH KENSINGTON.
In 17 Sizes to fit the various types of Cachet Machines.

The Evan-Williams
Always in Great Demand.
Price List on Application.
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SHADEINE
FOR COLOURING GREY HAIR
This popular article is largely advertised and stocked by all Wholesale Houses. Trial Size 8d., per post 11d. 1/4 size, per post 1/8; 2/6 size, per post 2/11; 3/9 size, per post 4/6; 8d. size, 6/- doz.; 1/4 size 12/- doz.; 2/6 size 24/- doz.; 3/9 size, 36/- doz.
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Pyrogallic Acid Gallic Acid
Manufactured by **J. L. ROSE**
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ONE AGAINST SEVERAL.

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Compared with a small advt. in all Sunday weeklies (excepting three), to our surprise the result from all these was not nearly equal to the one advertisement in the *Christian Herald* at half the cost. Yours faithfully,

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Over £3,000 for £26·10·0

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The British Harold F. Ritchie & Co., Ltd.,

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P.A.T.A.

It is suggested

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1 doz.	Pink	½ doz.	Light Blue
⅓ „	Old Rose	½ „	Old Blue
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⅙ „	Wine	⅙ „	Grey
⅙ „	Sand	½ „	Taupe
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1 COLOUR CARD

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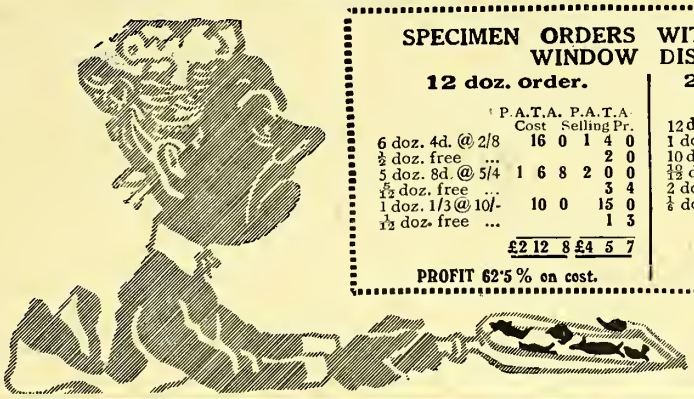

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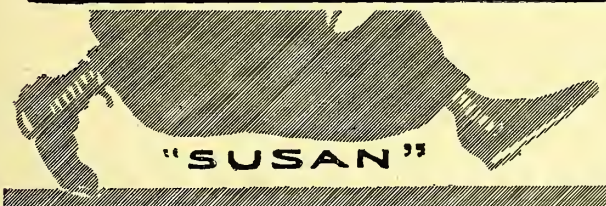

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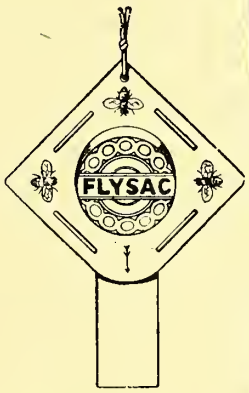

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THE CHEMIST AND DRUGGIST SUPPLEMENT

42 CANNON ST.
LONDON E.C.4

JULY 16, 1921

This Supplement is inserted in every copy of The Chemist & Druggist.

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REVISED ADVERTISEMENT TARIFF.

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THE CHEMIST AND DRUGGIST, 42 Cannon Street, LONDON, E.C.4.

Telephone: Central 3617 (3 lines). Telegrams: "Chemicus, Cannon, London" (2 words).

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3.—LONDON (Central).—Old-established Business, situate in busy main thoroughfare; returns last year between £2,000 and £2,500; several proprietaries are included; well-appointed shop, fully stocked; rent £100, sublet £80; held on lease; price £2,500.

4.—KENSINGTON.—Ready-money Retail, capitally situate in shopping thoroughfare; returns, present rate, between £30 and £40 per week; *gross profit one-third*; rent £35; price £1,200.

5.—KENT.—Unopposed Business, situate in a pretty country district; gross receipts this year will be about £1,900, and *net profit between* £600 *and* £700; large well-fitted shop and good working stock; rent £60, which includes a good residence and fruit garden; sublet £21; price £1,450.

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7.—S.W. MAIN LINE (Attractive Riverside Resort).—Good-class Retail and Dispensing Business; returns present rate, £5,000 per annum; *net profit* 25%; modern double-fronted shop, fully stocked; moderate rental; held on lease; terms, valuation of stock and fixtures and premium for lease and goodwill, or lump sum if desired.

8.—BERKS.—Ready-money Retail and Dispensing Business, well situate in good residential town and holiday resort; gross receipts £3,200; *net profit* 25%; rent £60; there is a small residence and garden; long lease; price £2,250 or valuation terms.

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10.—HUNTS.—Unopposed Business; very old-established; returns £1,200; scope for development; *profits one-third*; comfortable residence; vendor's own property; the whole is for disposal.

11.—DEVON COAST.—Old-established Business, capitally situated; returns exceed £2,000; *net profit* 25%; attractive, well-fitted shop, fully stocked; further details on application.

12.—NORTH-WEST COAST.—Cash Retail Business; established upwards of 50 years; returns last year between £3,000 and £4,000; *gross profit* £1,300; well-fitted shop, fully stocked; seven-roomed house; private entrance; rent £40; held on lease; price £2,150.

13.—MIDLANDS (Large Manufacturing Town).—A Retail and Wholesale Business, comprising small Packed Goods; returns upwards of £12,000 per annum, with scope for development; long lease; terms, stock and fixtures by valuation and premium for lease and goodwill; the investment offers a good opening for two unqualified men.

14.—HOME COUNTY.—Good-class Retail and Dispensing Business, situate in a favourite residential town, within easy distance of London; returns, under management, about £3,600 per annum, at good prices; well-appointed shop, fully stocked; the Business offers scope for extension under personal supervision.

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Messrs. O. & Co. desire to emphasize the necessity of a periodical Statement of Account, by which means alone Profit, the value of Business, &c., can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted and eventually becomes the cause of confusion and loss.

Messrs. O. & Co. are prepared to undertake these essential duties and make Special Terms for such services.

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2. LONDON, Central, Western.—Good-class light retail and dispensing; return, £2,400; gross profits, 50 per cent.; low rent; lease; stock worth £1,000; good mahogany fixtures; price, £2,000.

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BERDOE & FISH are anxiously seeking, on behalf of applicants, good sound businesses throughout England and Wales, and will be glad to hear from owners wishing to sell, or to advise those contemplating selling.

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ESTABLISHED 1870.

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— LIMITED —

Head Offices—26/28 Kimberley House, Holborn Viaduct, London, E.C.1

(and at 2 Bixteth Street, Liverpool).

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2.—CITY.—Good-class Cash Business; returns £57 per week; excellent profits; rent £80 per annum; old established lock-up shop; good reasons for disposal; part purchase price can remain.

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Recommended by The British Drug Houses, Ltd., Messrs Meggeson, Messrs. Barclay & Sons, Ltd., and many other leading Wholesale Ho Valuers to the Association of Manufacturing Chemists.

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AMERICAN Agency wanted.—Large American Corporation, high financial standing, with sales organisation covering t United States, Canada, Mexico, Cuba, Porto Rico, and the We Indies, will consider another Agency for Heavy Chemicals, Drug or allied products from a first-class British manufacturer or pr ducer; competitive prices, quality, deliveries, etc., absolutely nece sary; this is a very desirable connection. Please give full detai send samples, etc., with reply to save time, first to W. D. He derson, 522 Fifth Avenue, New York, U.S.A.

CHEMIST, 8 years' experience in South Africa, returning the in October, desires Agencies or Sole Agencies for the Uni of South Africa for Patent Medicines or Proprietary Article Apply M. R. Liddell, 11 St. James' Terrace, Forfar, Scotland.

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LENDID little Chemist's Business for Sale in Midland town; present turnover averages £1,000 a year; very low running ses; house accommodation available; rent 12s.; good opporfor a man who is prepared to work; price, including stock, es, fittings, accessories, etc., £450. Apply 152/38, Office of Paper.

IQUE opportunity.—Genuine old-established City Business, West of England; excellent profits; easily worked; good accommodation; long lease; for quick transfer, accept 00; good reason for disposal; particulars in return for ers' reference. Apply 149/6, Office of this Paper.

£500 RETURNS, increasing; rent £60; in main street.—General High-class Cash Business, including Photohic, in fashionable Thames resort; valid reason for disposal; 00 or near offer. Apply, with banker's reference, to 153/35, of this Paper.

BUSINESSES WANTED.

s. for 50 words or less; 6d. for every additional 10 words or less, prepaid

GENUINE Business required, in South or South-East London; yielding not less than £500-£800 net profit; please state , lease, rent, rates, accommodation, etc.; strictest confidence. field, 4 Lingards Road, Lewisham, S.E. 13.

PARTNERSHIPS.

Advertiser may, if preferred, have replies addressed to this fice, and forwarded on payment of an additional charge of 1/-.

RTNER wanted in a well-established and growing Wholesale Manufacturing Drug Business; must be capable and ener; the Business is centrally situated and equipped with up-to-machinery, and constructed for a large turnover; candidates possess at least £5,000; fullest investigations given. Apply 40, Office of this Paper.

PHARMACEUTICAL Chemist, with unique experience in all branches of trade, recently Manager large West-End house, desires administrative position or Partnership in Retail; undeniable references; strictest confidence observed. Apply 153/17, Office of this Paper.

FOR SALE.

OR Disposal, Pump Dental Chair, Bracket, and Table, Dental Engine, Vulcaniser, Lathe, Swing Sign, and other Surgical Mechanical Appliances; the lot £50. Apply James, 55 nd's Green Road, Wood Green.

SITUATIONS OPEN.

RETAIL.

6s. for 40 words or less; 6d. for every additional 10 words or less prepaid.

The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 1/-.

THE post of Dispenser and Bookkeeper (lady), advertised in this column, July 2nd, above Office No. 140/27, has been filled.

BLACKBURN.—Qualified Assistant; smart Salesman; good position. State experience, salary required, age, height, etc., to Critchley, 10 King William Street, Blackburn.

CARDIFF.—Man wanted, to control Warehouse, prepare Stock, occasional Counter work, Window-dressing; must be reliable and not requiring much supervision; £3 10s. week wages. Apply 146/17, Office of this Paper.

EASTBOURNE.—Wanted (immediately), for holiday season, part-time, fully competent Dispenser; remuneration 1s. 6d. per hour, minimum twenty hours per week. Full particulars to Andrews & Co., Chemists, Carlisle Road, Eastbourne.

GLOUCESTERSHIRE.—Lady Dispenser required; must be experienced; Hall qualification preferred; no after-hours' or Sunday duty. Apply 152/29, Office of this Paper.

LIVERPOOL.—Qualified Manager for branch; good knowledge of Photography; good Window-dresser and Counterman. State age, experience, salary required, references, and when at liberty to Haigh, c/o Banks & Dalrymple, 74 North Hill Street, Liverpool.

LIVERPOOL.—Qualified, middle-aged Assistant required at once; Dental Extractor preferred, but not essential. Reply, stating age, salary, etc., 152/32, Office of this Paper.

LONDON, E.C.—Wanted, smart unqualified Junior Assistant (male), for quick City business. Apply, giving usual particulars, and stating salary required, to P.C.B. 8/35, Office of this Paper.

LONDON, N.—Unqualified Assistant required for Retail, N.H.I., and Photographic; give full particulars, salary required, state when disengaged. Apply 153/40, Office of this Paper.

LONDON, N.W.—Young lady Assistant wanted (at once) for Light Retail and Dispensing business. Apply, stating full particulars and salary required, to 153/400, Office of this Paper.

LONDON, S.W.—Qualified Manager, capable; all-round experience, including Photography; used to a quick business; this would prove a good berth to an efficient man, energetic and progressive; age 25-35. The Fulham Pharmacy, 781 Fulham Road, S.W.

LONDON, W. (Suburb).—Qualified Branch Manager for Middle-class business; 30-45, married preferred; capable, reliable, energetic man wanted to develop business; good references essential; state full particulars experience, salary, etc. Apply 154/13, Office of this Paper.

MANCHESTER DISTRICT.—Reliable, live, qualified Assistant required (to commence September); able to take charge; good references and experience essential; with view to succession in about five years preferred; hours 9 a.m. to 8 p.m., Wednesdays half-holidays; no extra duties; state salary and experience in first letter; preference given to ex-Service man; replies not answered in three days declined with thanks. "Succession" (153/8), Office of this Paper.

VICTORIA, S.W.—Assistant required for brisk Retail, Dispensing, and Photographic business; state full particulars, age, experience, and references. "B. D. H." (154/28), Office of this Paper.

WISBECH.—Wanted, Junior Assistant (outdoors), unqualified; hours, 8.30 to 7 p.m. (every third week to 7.45), Wednesdays 1 p.m., Saturdays 9 p.m.; no extra duty. Apply, with full particulars of experience, age, and salary required, to Major Hill, M.P.S., 16 Queen's Road, Wisbech.

A CAPABLE and experienced all-round, unqualified Assistant Dispenser, Counterman, and Window-dresser, for North of England modern store business. Details, salary, references, and when disengaged to Taylors' Drug Co., Ltd., Burley Hill, Leeds.

A WOMAN Dispenser is required at the Bermondsey Borough Council's Tuberculosis Dispensary, 108 Grange Road, S.E. 1, for three weeks' holiday duty, from August 8th; the person appointed will be required to attend five sessions weekly, totalling about 17 hours; salary two guineas per week. Applications should be addressed to the Medical Officer of Health, Town Hall, Spa Road, Bermondsey.

A YOUTH, as Improver or Junior, wanted at once. Give particulars of experience, age, height, and photo, if possible, to A. Thresh, Buxton, Derbyshire.

ASSISTANT (Junior) wanted for Photographic Counter. State age, experience, and salary required to Butcher, Curnowe & Co., Ltd., Blackheath, S.E.

ASSISTANT, London, S.E. 1.—Wanted, by August 8th, capable young Assistant; qualification unnecessary; preference for ex-Service man; highest credentials essential; usual hours of business, with two hours on alternate Sundays. Apply, with full particulars of experience, age, etc., with salary required, to "Alembroth" (P.C.B. 8/13), Office of this Paper.

AT once, smart, qualified Assistant for Light Retail and Dispensing business; knowledge of Photography preferred; easy hours; no Sunday duty. Usual particulars, photo if possible, and salary required, to Milnes & Lister, Ltd., Chemists, Brighouse, Yorks.

DISPENSER required; Minor qualification; should have at least five years' Dispensing experience after qualifying; hours of business 8.45 a.m. to 6 p.m. Write, with full particulars, to Box 414, Sells' Advertising Offices, Fleet Street, E.C. 4.

HOSPITAL Dispenser (Hall) required for 6 weeks' Locum, Central London (part time), 2-3 p.m., 3 evenings a week 5-6 p.m., from August 15-September 24. Replies to (Hospital), 9 Blackheath Vale, Blackheath, S.E.

IMMEDIATELY.—Unqualified Assistant for season; male; about 25; Photographic experience essential. Apply, by letter only, with full particulars of experience and salary required (outdoors), to C. R. Gaulter, 41 Devonshire Road, Blackpool.

IMMEDIATELY; chiefly for Dispensing; young, energetic, and reliable Assistant; busy Store. Write, with full particulars, or apply personally, Timmis, 147 Mason's Hill, Bromley, Kent.

JUNIOR Assistant, unqualified; must be a smart Salesman, of good appearance and address. Give full particulars of age, height, experience, and salary required, in first letter, to Lion Drug Stores, Ltd., 75 West Street, Brighton.

JUNIOR, unmarried, outdoors, for good-class Retail business; short hours; no duty; permanency if desired; send full particulars and state salary required (applications not replied to in two days are declined). F. J. North, Chemist, Retford, Notts.

JUNIOR, unqualified; age 22 to 24. Call, or send photo and usual particulars, T. H. Wilson, 741 Barking Road, E.

LADY Improver at once, some general knowledge of the business, for country town in West of England; outdoors, but tea provided in business hours; easy hours; no Sunday or holiday duty; state salary required and send photo (returned). Apply 151/40, Office of this Paper.

LOCUM, male, qualified, required for Poor-Law Infirmary, for 3 weeks from August 8; hours, 9.30-5, Saturday 9-1; no Sunday; dinner daily. Usual particulars and salary required to R., 144 Holland Park Avenue, W. 11.

LOCUM (qualified), 30-40, wanted for August 3rd to August 13th; must be accustomed to good-class business. Lever, 151 Westbourne Terrace, Hyde Park, W. 2.

LOCUM, unqualified, Manchester, wanted for two weeks, July 25 to August 6 inclusive, in Light Retail; please state terms. Heath, Pharmacist, 340 Great Clowes Street, Higher Broughton, Manchester.

LOCUM, August 2nd to 30th inclusive; qualified Assistant, aged about 30, for good-class Dispensing and Photographic. Write, stating terms, reference, etc., H. Williams, 31 Heath Street, Hampstead.

LOCUM (gentleman), qualified, Counter and N.H.I. Dispensing, for four weeks from August 8th; full particulars first letter, please. J. Marlar & Son, Ltd., Chemists and Wine and Spirit Merchants, 49-51 High Street, Halstead, Essex.

MANAGER for small business; London district; suit elderly but fully competent and reliable man with first-class references; qualified lady entertained; rooms available. State age, salary required, and references to "Rhei" (154/33), Office of this Paper.

PARKE'S DRUG STORES, LIMITED, require the services of a qualified Manager; applicant must be energetic and reliable, and have sound business experience and good knowledge of Photography; highest references required. Apply any morning (except Saturday), between 10 and 12 o'clock, to 65 Harmood Street, Camden Town, N.W.

PART-TIME Assistant; Monday, Thursday, and Friday evenings and Saturday afternoon and evening; reliable Dispenser, with good knowledge of Photography essential; please state time at liberty and salary expected. Barkers, Cash Chemists, 221 Upper Tooting Road, S.W. 17.

PAYMENT by results; good opening for a young qualified man. Write, giving particulars of experience, salary wanted, and whether speaking a foreign language, 154/38, Office of this Paper.

PHARMACIST and qualified Optician as Branch Manager; gi full particulars, including experience and salary require in first letter; applications not answered in five days decline with thanks. Waller & Riley, Ltd., Bradshawgate, Bolton.

PHOTOGRAPHIC Department, Stedman's, Ltd., Weymouth, r quire a young, competent Assistant for the above depar ment; duties principally Printing (gas-light).

QUALIFIED Assistant, young, wanted; male or female; mu be quick and reliable Dispenser; comfortable situation f person who is not afraid of work; permanency; please give fu particulars, with photograph and salary required; no R.A.M. man need apply. Kirkman, New Milton, Hants.

QUALIFIED, gentlemanly Assistant, tall, active, and tru worthy, principally for Front Counter; capable taki charge; disciplinarian; willing understudy principal; outdoor state salary, enclose photo. H. B. Lloyd, College Road, Chelte ham. Unanswered in 3 days declined with thanks.

QUALIFIED Assistant wanted (at once) in middle-class Ret Dispensing business; state age, height, salary, etc.; mu have good references. "Quinine" (154/35), Office of this Pape

QUALIFIED Pharmacist and Optician required (for Augu 22nd) for good-class Retail; age about 30-35; F.S.M. qualification and able to do repairs; complete control duri absence of principal; highest references essential, and well in Photographic Department; good salary, and commission nct Optical returns; full particulars in first letter, with pho Newton, Holly Bank, Yeovil.

REGISTERED woman Pharmacist required for three wee (from 25th July); outdoors; easy hours; Sundays fr Apply, giving usual terms and particulars, to H. Richards, M.P.S Brynhyfryd, Swansea.

SQUIRE & CO., Birmingham, Limited, have a vacancy at o of their branches for a male Junior, for Dispensing a Photography; state age, salary required, and when at liber Squire & Co., Birmingham, Limited, Stirchley, Birmingham.

TEMPORARY Assistant (unqualified) for 5 or 6 weeks co mencing August 2nd; outdoors; unqualified, capable, ind trious, and of good character; qualified and two unqualifi Assistants kept. Please give full particulars of age, experien and salary required to E. F. Cooper, Chemist, Bishop's Stortfo

UNQUALIFIED Assistant required by J. H. Smith, Chemi Moreton-in-Marsh, for about 14 days, from 15th to 30 July.

UNQUALIFIED Assistant wanted from now until mid-Septe ber; one with Photographic experience preferred; sala £2 10s.. Felton, Chemist, 253/5 Balls Pond Road, N. 1.

UNQUALIFIED Assistant, lady or gentleman, immediatel suburban Retail; healthy district; Photographic experien desirable. "Northern" (P.C.B. 8/29), Office of this Paper.

WANTED, experienced lady Dispenser (Hall) as Locum four weeks, from or about July 30th; Bookkeeping, priva and panel. Apply, stating salary (outdoors), enclosing referenc and copies of testimonials, to Drs. Wylie & Russell, 217 Iff Road, Oxford.

WANTED, smart Junior (outdoor) for Counter; one used quick Cash business. Apply, stating wages, full parti lars of experience, and age, to E. J. Kitson, City Drug Stor Worcester.

WANTED (immediately), unqualified Assistant; good D penser and Salesman; Photographic knowledge essenti permanency to right man. De Peare, 14 Highbury Park, N. 5.

WANTED (at once), for the season, an Assistant, lady gentleman, to undertake Velox Developing; must be quick worker and capable of doing good work. Apply, with particulars, to Alfred Bond, The Pharmacy, Newquay, Cornwal

WANTED, unqualified Assistant for Counter and N.H.I. D pensing, with Photography; Birmingham district. St age, experience, salary, etc., 153/19, Office of this Paper.

WANTED, qualified Locum, from July 21 to August 2 inclusive; others kept. Please state terms, Arden, Pharm cist, Winchester.

RETURNING PHOTOS, &c.

Advertisers in this section who receive portraits and copies of testimonials from applicants with a stamped addressed envelope for reply are reminded that the undue retention of these often means a hardship to the sender. All personal documents should be returned as promptly as possible after perusal.

WHOLESALE.

6s. for 40 words or less; 6d. for every additional 10 words or less, prepaid.

ESSENCES.—Old-established firm require capable man for preparation of Essences and Colours; qualified Chemist not wanted, but practical man, with working experience. Write Mr. Chadwick, 62 Bank Chambers. W.C. 2.

LIVE Salesman wanted, with good connection amongst Wholesale and Retail Chemists, etc., to carry non-combine Toilet Soaps, etc., at competitive prices, on commission. Reply, in confidence, with full details of record, present turnover, ground covered, 150/19, Office of this Paper.

MANAGING DIRECTOR WANTED for the London Office of a factory producing Medicinal and Pharmaceutical Products, Essential Oils, and Synthetic Perfumes (Vanilline, etc.); applicants must have a good experience in the trade and be well introduced.
Address offers, with full particulars, to "LONDON DIRECTOR" (24/61), Office of this Paper. Strict confidence guaranteed.

AS Representative.—A young qualified Chemist required by London firm; while previous experience is not required, only those with sound education and business aptitude should apply. Write, with full particulars, to 45/21B, Office of this Paper.

FOREWOMAN required, to take charge of staff manufacturing Surgical Dressings; applicant required to be thoroughly experienced in the work and capable of influencing strict discipline. Write in first instance, giving full particulars and previous experience, age, and salary required, to "London" (11/14F), Office of this Paper.

MANUFACTURER, shortly introducing new Proprietary Toilet Preparation, has vacancy for young, active, well-recommended man, sufficiently experienced to undertake Sales Management; must know the Wholesale trade, be a capable interviewer, and preferably with knowledge of the production of Toilet Preparations. Write 32/76S, Office of this Paper.

MANUFACTURING Chemists require Representatives for London and Wales on salary and commission; state experience, ground covered, and lines handled. Apply 151/17, Office of this Paper.

PHOTOGRAPHIC.—Smart, ambitious man wanted (immediately) to manage Kodak sales; great scope and permanent position to right man; £250 salary to commence, with quick increases; applicants must be hard, conscientious workers and first-class Salesmen. State age, experience, etc., to M., Wallace Heaton, Ltd., 84 High Street, Sheffield.

REPRESENTATIVE WANTED.

WALES and adjacent counties; local man preferred; good commission; state experience; our lines sell well and are known to all Pharmacists. Apply direct, Red Band Chemical Co., Richmond Terrace, Edinburgh.

REPRESENTATIVE required for high-class Paris Perfumery House, manufacturing every description of Toilet Requisites and Perfumery; good opportunity for suitable man. Write, in confidence, giving full particulars, 13/42, Office of this Paper.

REPRESENTATIVES wanted, with good connection amongst the Chemists, Stores, and leading Hairdressers, for London and provinces; commission and part expenses to the right men. Apply "W." (152/25), Office of this Paper

REPRESENTATIVES required by leading house in products of animal origin, to call on Medical Men, Hospitals, etc., and Chemists; state fully experience, salary required, etc. Apply "H. F. C." (1/34A), Office of this Paper.

SURGICAL APPLIANCES.—Male Fitter required. Write, stating age, experience, and salary required, to "F. C. K.," Allen & Hanburys, Ltd., 48 Wigmore Street, London, W. 1.

TOILET SOAPS.—Travellers on commission required by an old-established firm; must have good connection with Chemists and Grocers in London. Write, giving fullest particulars and district covered, to P.C.B. 8/2, Office of this Paper.

TRAVELLERS.—Manufacturers of high-class advertised Toilet preparations require Representatives for Midlands, Lancs, Yorks, and N.E. Coast; popular lines; right trade terms; good commission given; only those with live connection amongst ladies' Hairdressers, Stores, and Chemists need apply. Apply 11/13F, Office of this Paper.

TRAVELLERS calling upon Chemists wanted to take up a quick-selling non-competitive line on commission. Please state ground covered in applying for particulars to 151/15, Office of this Paper.

WANTED, near Birmingham, Assistant Tablet Maker, with knowledge of Granulating, Compressing, and Coating. State particulars, experience, age, salary, etc., "Statim" (32/72), Office of this Paper.

WANTED (at once), smart Traveller; salary and expenses by arrangement; experience of Drug trade an advantage; this post is mostly for new ground, with good lines; for one who is not afraid of work there are good prospects. Apply "West Riding" (154/14), Office of this Paper.

WAREHOUSEMAN.—A good all-round man wanted for Wet or Dry Counter and to assist generally as required. Apply by letter, stating age, married or single, wage, and when free, to Brady & Martin, Ltd., Northumberland Road, Newcastle-on-Tyne.

SITUATIONS OPEN.

(Colonial, Indian and Foreign.)

6s. for 40 words or less; 6d. for every additional 10 words or less, prepaid.

INDIA.—Wanted, for India, General Manager for large firm of Chemists; must be fully qualified; good prospects for suitable man. Apply "Chemist," c/o Housekeeper, Broad Street Avenue, London, E.C. 2.

OSTEND.—Wanted (at once), reliable Assistant for two months, living in; 100frs. a week; passage paid; good Salesman; French not strictly necessary. Wandels, Place Marie José, Ostend.

PARIS.—Assistant; knowledge of French and Continental experience; photo, if possible (to be returned), age, height, references, salary (outdoors). Roberts, 5 Rue de la Paix, Paris.

PARIS.—Wanted, English Assistant, bachelor, with Minor; fair knowledge of French; good address; smart Salesman; experienced Dispenser. Write, with photo (will be returned), to Simonin, 356 Rue St. Honoré, Paris.

SITUATIONS WANTED.

[HOME.]

RETAIL.

2s. for 18 words or less; 6d. for every additional 10 words or less, prepaid.

The Advertiser may if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 1/-.

ACTIVE, qualified Manager seeks similar position; 20 years' good all-round experience, including 9 years' present London Managership. "M.P.S." (148/10), Office of this Paper.

ADVERTISER seeks situation as Junior Assistant; five years' experience; good references. P. Reding, Wainfleet, Lincs.

AGE 33, unqualified, seeks permanency, preferably with view to interest in business later; seven years present situation; well up in quick Retail, N.H.I., Photo; good Window-dresser, and not afraid of work; excellent references; please state salary. "Rhei" (150/1), Office of this Paper.

AN opportunity occurs for Pharmacist, desirous of extending his business to, or in, Optical, Surgical, and Photographic, to engage experienced Assistant, 32 (with own Optical equipment), capable of organising above Departments collectively, or Optical solely; 16 years' highest references for integrity and ability in Salesmanship, Dispensing, Window-dressing, and general management; disengaged end August; completing S.M.C. and B.O.A. November; permanency desired; personal interview. Mee, 5 Westhall Road, Bath.

ANY position.—Thoroughly experienced all round; first and medium trade. "Minor," 59 Sheen Lane, Mortlake.

AS Locum or permanency; 15 years' experience; unregistered; Dispensing, Counter, Photographic; immediately; wire. Benson, 41 Spratthall Road, Wanstead, Essex.

AS Assistant; 26; single; four years' apprenticeship and four years as Assistant. M.L. 16269, Office of this Paper.

AS Assistant Dispenser; age 27; married; three years' experience as Assistant Dispenser and Dresser. M.L. 75250, Office of this Paper.

AS Locum, from 15th to 27th August, in Eastbourne, as Assistant or Branch Manager; highest reference; 20 years' first-class all-round experience. 'Smith, Clifton House, Haywards Heath.

ASSISTANT, unqualified, desires part-time job; Counter and Dispensing. "V. R.," 30 Gore Road, Hackney, E. 9.

ASSISTANT, unqualified, requires immediate berth; London essential; accustomed to high-class business. "Statim," 52 Voltaire Road, Clapham.

ASSISTANT, unqualified, 27, free August 8, high-class London and provincial Dispensing and Retail experience, desires situation in good London pharmacy. Caden, 1 Weech Road, N.W. 6.

ASSISTANT, unqualified (48); thoroughly capable, reliable, and experienced; Dispenser and Counterman; at liberty. North, 48 Morpeth Street, Hull.

ASSISTANT, qualified (Honours in Pharmacy), age 28, height 5 ft. 10 in., best experience in foreign and English Dispensing and high-class Counter, knowledge Italian and French, desires permanent responsible post in England. Apply "K.," c/o McKee, Chemist, 114 Churchfield Road, Acton.

ASSISTANT, unqualified; 11 years with one firm; Dispensing, Photographic, quick Cash; permanency wanted; good references. Apply "Metol," 163 Chapman Street, Gorton, Manchester.

ASSISTANT, unqualified; N.H.I. Dispensing, Counter; practical Photographic knowledge; Window-dresser; abstainer; London and suburbs only. Write to "Rosa Rugosa" (153/33), Office of this Paper.

BLACKPOOL or District.—Assistant, unqualified, desires situation; Counter, Dispensing, Photography; good references, local. 153/24, Office of this Paper.

BRIGHTON.—Chemist's Son, 18, desires post, general help; little experience. "Radix," 12 Beaconsfield Road.

COMPETENT, reliable, qualified Locum; disengaged August 1st till September 4th; exceptional references. "Aspirin," 57 Brown Road, Walthamstow, Essex.

COUNTERMAN; smart Salesman; 15 years City and West End; Drugs, Surgical Sundries, Photographic. "Rhei," 37 Brunswick Road, N. 15.

DISPENSER, qualified, desires position with Chemist; South Coast, Bournemouth area preferred; immediate. Apply 149/12, Office of this Paper.

DISPENSER (lady), Hall, desires position, Institution or Chemist; view to Minor; Edinburgh preferred. Strange, 70 Polwarth Gardens, Edinburgh.

EVENING work required by experienced Dispenser and Bacteriological Laboratory Assistant, also efficient Accountant; all evenings free. Apply to Bull, 57 Glenwood Road, Catford Hill, S.E. 6.

EXPERIENCED Dispensing, Counter, Checking, Stores, and West-End references; practical, thorough worker. "Locum," 122 Scott-Ellis Gardens, N.W. 8.

LADY Dispenser (Hall) desires post with Doctor or Institution; 2½ years' experience. Miss Webster, 176 Stoney Lane, Sparkhill, Birmingham.

LANCASHIRE or Yorkshire District.—Qualified; 26; disengaged August; Photography, Optics; sole charge; permanency desired. Apply 154/10, Office of this Paper.

LOCUM; 30 years' wide experience; qualified; disengaged 2 weeks July 25th to August 6th, and after September 17th. M. Smith, General Dispensary, Silver Street, Lincoln.

LOCUM; qualified; age 37; disengaged 15th July to 13th August. Wire or write, "Chemist," 9 Tadema Road, Chelsea, London, S.W.

LOCUM or part time; London or country; exceptionally well up and highly recommended; abstainer; disengaged. E., 39 St. Thomas' Road, Finsbury Park, N.

LOCUM or permanency; Dispenser; knowledge of Surgery, Bacteriology, Radiography; good unqualified Assistant to busy Doctor. "Studious" (P.C.B. 8/28), Office of this Paper.

LOCUM, unqualified, from July 25th; London or immediate suburbs. Write "Locum," 168 Clarendon Road, Notting Hill, W.

LOCUM, July, early August, and September; qualified. Thorley, 27 Crouch Hill, N. 4.

LOCUM; disengaged July 29 to August 7; highest references. Brown, 74 West Hill, East Putney, London, S.W. 15.

LOCUM.—Chemist, waiting to take over business, would do relief work; very moderate fees. 24 Leamington Road, Bournemouth.

M.P.S. SEEKS permanency as Manager; thoroughly competent; disengaged September. Inquiries to R. W., 70 St. John's Road, Scarborough.

MANAGER, qualified and experienced, disengaged in September, requires berth in good-class Pharmacy; seaside or provinces preferred. Apply 152/26, Office of this Paper.

MANAGER.—Advertiser, well educated, seeks position as Manager, with or without view to succession; thoroughly experienced in all branches of Retail; well up in Photography; aged 38; of active habits; abstainer; excellent references; permanency desired. 2 Endsleigh Park Road, Peverell, Plymouth.

MANAGER or Senior; 38; married; London, provincial, and Colonial experience; keen business man; shortly disengaged. "Qualified," 48 Brampton Road, St. Albans.

MANAGER or Locum; experienced, reliable; London, provincial, seaside; satisfactory references; disengaged. "Zotal" (153/38), Office of this Paper.

QUALIFIED (Major), elderly, seeks part-time or light Locum work in London. Wright, 46 Hardwicke Road, Palmer's Green.

QUALIFIED; 24; married; good references; Northern Counties preferred. Apply 151/38, Office of this Paper.

QUALIFIED man, 50, wants part-time or Locum work in London; small remuneration. Apply 151/36, Office of this Paper.

QUALIFIED Dispenser (middle-aged), Hospital, Institution, or would manage country branch and invest small capital. "Reliable," 18 Richmond Hill, Luton, Beds.

QUALIFIED; 23; 8 years' experience; highest references; Surgical Dressings and Instruments. Apply 152/31, Office of this Paper.

RETAIL or Wholesale Assistant; 21; three years' experience. M.L. 11675, Office of this Paper.

DO YOU WANT REAL HELP?

SENIOR Assistant, 32, married, well recommended and highly experienced ("Royal" Chemists to Multiple Drug Stores), seeks permanency with employer who appreciates a conscientious, hard-working, and absolutely reliable helper; Salesman (prize essayist), Dispenser (College course), practical Photographer (all branches), Elementary Optical and Electrical experience, Prescriber, artistic and ingenious Window-dresser, Showcard- and Ticket-writer; willing accept quite moderate salary if scope and prospects offered; credentials, photo, etc., on request. "Commonsense," 26 Cricklade Road, Bishopston, Bristol.

SCOTCHMAN; 40; qualified; experienced; disengaged; locum or permanency. Durno, 4 Ancona Road Harlesden, N.W. 10.

SMART Assistant, thoroughly experienced in all departments of the trade, requires a situation; age 35; well educated and of good address; undeniable references. Reply "Energetic" (150/14), Office of this Paper.

SMART, experienced Pharmacist Manager requires locum or permanency in town or country; up-to-date in modern business methods; disengaged; married. "Tristan," 26 Fox Hill, S.E. 19.

TEMPORARY, Locum, season; 30 years' City, West-End, and Hospital experience; *forte*, Dispensing, Prescribing, Manufacture. "Edgcumbe," 65 Pevensey Road, Eastbourne.

TEMPORARY or Locum; high-class Dispensing and Counter experience; disengaged. Cogar, 8 Shakespeare Avenue, Bath.

TO Bournemouth Chemists.—Qualified and experienced Chemist desires Locum, part-time, or relief work in Bournemouth district; terms moderate; good references. Apply Castlemere, 58 Stanfield Road, Winton, Bournemouth.

WANTED (during August), whole- or part-time Dispensing; West London preferred, but would consider country or seaside; satisfactory references; moderate salary. Apply 152/37, Office of this Paper.

WANTED, Managership, with view to succession, or neglected Business, capable of extension. "Felix" (155/15), Office of this Paper.

WANTED, by ex-Service man, situation as Dispenser or Laboratory Assistant; experienced; Photography; good references. Apply 154/40, Office of this Paper.

We desire particularly to draw the attention of Colonial and Foreign Subscribers to the fact that in cases where they require partners, agents or assistants, or wish to sell their businesses, an Advertisement in this Supplement, placed in every copy of "The Chemist and Druggist," should be the readiest means of helping them to attain their object. The tariff for such announcements is given under the appropriate headings in the Supplement. Instructions and remittances can be sent to us direct or through the advertisers' correspondents in this country.

WHOLESALE.

2s. for 18 words or less; 6d. for every additional 10 words or less, prepaid.

The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 1/-

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